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Bulletin 403 July 1953

THE UNIVERSITY OF NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION
Department of Agricultural and Biological Chemistry

Inspection of Commercial Feedingstuffs

Made for the

State Department of Agriculture

By H. A. DAVIS and V. F. STAAB

The University of New Hampshire
Durham, N. H.

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INSPECTION OF COMMERCIAL FEEDINGSTUFFS

Made for the

STATE DEPARTMENT OF AGRICULTURE

The New Hampshire Feedingstuffs Law is administered by the Commissioner of Agriculture. All inquiries concerning the law and the registration of feedingstuffs should be addressed to the Feed Control Supervisor, State House, Concord, New Hampshire.

Under the direction of Honorable Perley I. Fitts, Commissioner of Agriculture, Mr. George H. Laramie, Feed Control Supervisor, and Mr. Harold Ayer, Inspector, collect samples of feedingstuffs offered for sale in the state. During the year ending June 30, 1953, 704 samples were submitted for analysis. These samples represented brands of 143 manufacturers.

THE LAW

The New Hampshire feedingstuffs law was revised by a bill presented to the 1953 session of the legislature. This bill was passed and takes effect on January 1, 1954. This law is a revision of Chapter 226 of the Laws of the State of New Hampshire and is known as the "New Hampshire Commercial Feed Law". The revised law conforms closely to the Uniform Feed Bill as recommended by the Association of American Feed Control Officials. The law, in addition to retaining the features relating to registration, labeling, and inspection provided by the previous law, incorporates the following features: (1) mineral feeds and mineral supplements must be registered and labeled; (2) the commissioner is given the power to "promulgate and adopt such reasonable rules and regulations as may be necessary" to carry out the law; (3) it gives the commissioner power to issue withdrawal from sale orders and (4) to condemn and confiscate feed not complying with the law; (5) special and custom mixes are exempted from registration and labeling but must comply with the custom or special mix labeling requirement.

Registration: Each brand of commercial feed offered for sale in the state must be registered. The term "Commercial feed" refers to "all materials which are distributed for use as feed for animals, other than man, and for wild birds kept in captivity, except (1) unmixed whole seeds and meals made directly from the entire seeds, (2) unground hay and (3) whole or ground straw, stover, silage, cobs, and hulls when not mixed with other materials."

The feedingstuff is usually registered by the manufacturer or jobber whether he is located within or outside the state. Feedingstuffs manufactured in other states are frequently handled by several middlemen before they reach the local distributor. Under the provisions of the law, if the manufacturer or jobber fails to make registration, the dealer is responsible. Dealers who purchase feed for resale must assure themselves that the brands they purchase are properly registered and the license fee paid; otherwise, they must assume that responsibility. The Feed Control Supervisor provides forms to be filed in his office for the registration of feeds. Copy of this form is shown on page 4.

New Hampshire

APPLICATION FOR REGISTRATION OF COMMERCIAL FEEDINGSTUFFS

No. .....

Date .....

To the Commissioner of Agriculture, State Dept. of Agriculture, Concord, N. H.:

The undersigned hereby makes application for registration — reregistration — supplemental registration of the following commercial feeding stuffs (for the period ending December 31, 19):

(List products to be reregistered under heading REREGISTRATIONS. List under heading SUPPLEMENTAL those products added during the year.)

Attached are product data sheets which have affixed thereto a label to be used on, or attached to the containers of feeding stuffs as required by paragraph 1 of Chapter 226, Revised Laws of N. H., Stock Foods Law. I hereby certify that the label or labels contain the information required by the law.

(Enclosed is ..... in the amount of $ ..... covering the registration fee for feeding stuffs. Registration fee is $15.00 for each feeding stuffs.)
Address correspondence to:

Attention ..... Firm Name .....

Street and No. ..... By .....

City and State ..... Title .....

CERTIFICATE OF REGISTRATION

This certifies (that the registration fee has been paid and) that the above-listed products are this day registered under the provisions of the New Hampshire Stock Foods law, and the sale is authorized when sold, offered or exposed for sale when labeled and other-wise in compliance with the law, until cancelled for cause (for the period beginning with the actual date of registration and continuing until December 31, unless the registration of any feed or feeds are cancelled).

NEW HAMPSHIRE DEPARTMENT OF AGRICULTURE

.....
Commissioner

Date .....

INSTRUCTIONS

Application for Registration: Submit cover sheet in duplicate. One copy will be returned as your Certificate of Registration.

Product Data Sheet: One or more (8½" x 11") sheets, to which is affixed a label, or if the label has not been printed, proposed copy or printer's proof may be affixed, for each product to be registered, must accompany the application. Number the attached data sheet pages and insert the page number in parentheses on the cover sheet immediately after the name of the feed.

Brands: List these on the application cover sheets under the headings and in order "Reregistrations" and "New Registrations." (Reregistrations are renewals from the previous year. New Registrations are brands not registered the previous year.)

Reregistrations: (Renewals of registrations) require that all cover sheets be renewed. It is not necessary to renew Product Data Sheets except with respect to information which is different from that furnished when the feeds were registered or last reregistered.

Labeling: All labeling must be in accordance with New Hampshire Stock Foods law, and all information on cover sheets and data sheets must comply with the above law.

Labeling: The law requires that any commercial feed offered for sale or sold in this state shall furnish on each package a clearly printed statement certifying:

the number of net pounds in the package

the name and principal address of the person guaranteeing the commercial feed

the name or brand under which the commercial feed is sold

the guaranteed analysis stating:

the minimum percentage of crude protein
the minimum percentage of crude fat
the maximum percentage of crude fiber

the name of each ingredient contained in the feed

In specialty cases as in mineral feeds and vitamin supplements requirements as listed in the law must be met. In the case of bulk deliveries a written or printed statement of the above information shall accompany delivery.

In order to secure greater uniformity in the labeling of feeds and in the statement of ingredients, the Association of American Feed Control Officials has adopted definitions of ingredients and standards. The Association has approved 20 official regulations which "should be adopted by State officials insofar as their statutes will permit". There are no conflicts with the New Hampshire feedingstuffs law in these regulations. Manufacturers and dealers are, therefore, expected to conform to the regulations of the Association in all matters not specifically mentioned in the law. A booklet containing these regulations, to-

gether with definitions of ingredients, official and tentative, as well as other instructive material, may be obtained from the Secretary of the Association of American Feed Control Officials, College Park, Maryland. If the definitions and suggestions presented in this booklet are followed by the manufacturer, a correct and accepted list of ingredients complying with the law will appear on the tag. Carelessness or indifference in listing the ingredients should create sales resistance in the buyer. The purchaser will likely conclude that the manufacturer who is inaccurate in specifying the ingredients printed on the tag may be careless in selecting the ingredients he puts into the bag.

THE PURPOSE OF THE FEEDINGSTUFFS LAW

The chief purpose of the feedingstuffs law is to protect the consumer against the inferior products which doubtless would soon appear on the market if the trade were not under state control. The law is primarily a correct-labeling act. It must not be assumed by the purchaser that every brand which meets the manufacturers guarantee is a high-grade feed. The Commercial Feed Law does not prevent the sale of a low grade feed if it is properly licensed and tagged and is offered for sale in compliance with the law. It would not be in the public interest to legislate against the sale of the lower-grade by-products. They can be fed profitably if bought at a price adjusted to their feeding value. The law does prevent an inferior feed being offered for sale as a high-grade product.

The dealer, in purchasing feed from the manufacturer, and the consumer, in purchasing feed from the dealer, should make the specification that the feed delivered must comply with the New Hampshire Commercial Feed Law. If the feed is not registered; if the protein, fat, and crude fiber are not guaranteed; and if the ingredients of which the feed is composed, are not plainly stated on the bag, or on a tag attached thereto, the purchaser is not protected by the law. He has no recourse under the commercial feed law if the feed he purchases is of inferior quality. If the buyer fails to assure himself that the legal requirements have been met, he accepts the feedingstuff at his own risk.

The cost of a feedingstuffs inspection includes the drawing and analysis of samples, and the publication and distribution of the annual bulletin. The funds from which these costs are paid are accumulated from the license fee which the manufacturer is required to pay annually on each brand registered for sale in the state. A calculation based on the known costs of the inspection and the estimated retail value of the feedingstuffs sold annually shows that the cost of the inspection is only a fraction of a cent per 100-pound bag.

The terms used in reporting the chemical analysis of a feedingstuff required by law are briefly defined as follows: *PROTEIN* is a collective term for a considerable group of compounds, all of which contain nitrogen. Ingredients high in protein are usually more expensive than the other ingredients, making protein the most important nutrient for consideration in determining the commercial value of a feedingstuff. The nutritional value of the proteins varies widely; therefore, a feedingstuff should contain protein from several sources to insure inclusion of all essential types. *FAT* is separated from the other components of a feedingstuff by extracting the moisture-free sample with anhydrous ether. In such ingredients as the cereals, the seed-meals, and animal products, the extract is nearly pure fat. A few ingredients such as alfalfa meal contain

some ether soluble material which is not fat. When urea is present, the figure for the percentage of fat found may be high as much as 2/10 per cent, due to the slight solubility of urea in anhydrous ether. When sulphur is present, the percentage of fat found is much too high, since sulphur is readily soluble in anhydrous ether. *FIBER* is composed of cellulose and related compounds. Since crude fiber has little feeding value, the law requires that the maximum fiber be guaranteed rather than the minimum as in protein and fat.

Bulk delivery of feed direct to the farm is a practice being used to a greater extent. The handling of feed in this manner brings special problems to the consumer as well as to the manufacturer. Experience has shown that by the use of properly designed equipment bulk delivery is satisfactory. The consumer should carefully plan his storage bins and his method of feed distribution before accepting bulk delivery of feed. Feed delivered in bulk is subject to the same requirements so far as the law is concerned as feed sold in bags. The method of drawing an official sample of bulk feed has been a subject of considerable discussion among control officials. The feed control supervisor has drawn samples from five different lots of "bulk delivery" feeds to determine whether differences in analysis would show up when a sample of the same shipment is drawn at different points in the loading, on the truck or unloading of the lot. The analysis of these samples is shown in Table I. These analyses show that a sample drawn at any one of the several points should be satisfactory in representing the lot. Differences between results of the several samples of the same lot are no more than might be expected in drawing the same number of samples from a lot of bagged feed.

TABLE I **ANALYSES OF SAMPLES OF "BULK DELIVERY" FEEDS**

Sample Drawn at:	Brand A			Brand B			Brand C		
	PROTEIN	FAT	FIBER	PROTEIN	FAT	FIBER	PROTEIN	FAT	FIBER
From mixer into truck	22.28	3.40	4.05	22.20	3.58	7.54	20.92	4.26	3.69
Composite truck compartments	22.20	3.44	3.96	22.28	3.58	7.64	21.15	4.32	3.77
Conveyor end, rear truck	22.46	3.39	4.01	22.02	3.59	7.66	21.50	4.24	3.54
End of screw-end of chute	22.55	3.44	4.20	22.03	3.60	7.53	21.01	4.32	3.60

	Brand D			Brand E		
	PROTEIN	FAT	FIBER	PROTEIN	FAT	FIBER
End of screw, from mixer	19.41	4.26	4.79	18.48	3.63	5.01
From bin into truck (Mill)	19.35	4.25	4.76	18.70	3.63	4.82
Composite truck compartment	19.01	4.25	4.78	18.80	3.60	4.97
Conveyor end truck at farm	19.53	4.31	4.76	19.01	3.59	4.95
Farmer's bin	19.28	4.26	4.60	18.69	3.53	4.76

The use of medicated feeds for special purposes continues to increase in volume. Special directions for feeding are printed on the tags attached to such feeds. The use of drugs in feeds for the control of certain diseases must be carefully investigated and meet the approval of the Food and Drug Administration before it is put on the market.

It is not within the scope of this bulletin to make recommendations regarding the use of commercial feedingstuffs. The Department of Dairy Husbandry and the Department of Poultry Husbandry are continuously studying feeding problems. The following publications of these departments are free to residents of New Hampshire, Address your request to Mail Service, University of New Hampshire, Durham, New Hampshire.

Ext. Bull. 67	Turkey Production in New Hampshire, 16 pp.
Ext. Cir. 274	Brooding and Rearing Chickens, 20 pp.
Ext. Cir. 282	Dairy Calves.
Sta. Bull. 401	Feed Standards for N.H. Broilers.
Ext. Bull. 114	Feeding Dairy Cattle.

While the word feedingstuff does not appear in all the above titles, no publication is included which does not discuss some aspect of the use of feedingstuffs.

Inquiries occasionally are made regarding a method of calculating the protein, fat or fiber content of a home mixed feed. There are tables available, such as those in Morrison's book "Feeds and Feeding", which give the average chemical analysis of feed concentrates, roughage, and silages. It should be pointed out that the chemical analysis of a particular lot of an ingredient may be somewhat above or below the average figure shown in the table. This fact must be taken into consideration in fixing guarantees. The following example shows how the protein content of a feed mixture may be calculated.

	Pounds used	x	Per cent Protein in Ingredient	=	lbs. protein furnished by Ingredient
Ground Oats	200		12.0		24
Ground Corn	400		8.0		32
Gluten Feed	300		25.0		75
Wheat Bran	400		15.0		60
Linseed Oil Meal	100		34.0		34
Salt	10				
Total Mix	contains		1410 lbs.		225 lbs. protein

$$\text{The mixture contains } \frac{225}{1410} \times 100 = 15.95\% \text{ protein.}$$

The percentages of fat or fiber may be calculated in a like manner by substituting the fat or fiber figures for those of the protein.

CONFORMITY TO THE GUARANTEES

The chemical analyses were made by the methods of the Association of Official Agricultural Chemists. Of the 704 samples analyzed, 656 were mixed feeds and ingredients, 23 were canned cat and/or dog foods, 22 were drawn in a study of the sampling of "bulk delivery" of feeds and three were special problem samples. Forty-six brands were sampled at two or more different times during the year.

Of the samples reported in the 1953 inspection, the analyses of which are published in this bulletin, 17.0 per cent contained less than the guaranteed amount of protein, 10.2 per cent contained less than the guaranteed amount of fat and 4.4 per cent contained crude fiber in excess of the guarantee. A comparison of these figures with those of previous years is shown in Table II.

All states have feedingstuffs laws and publish a report. It is common practice to indicate by different type those brands failing by an arbitrary tolerance to conform to the guarantee. There is no common agreement what this tolerance should be. In this bulletin the analytical figures ½ per cent or more below guarantee in protein, ¼ per cent or more below guarantee in fat, and one per cent or more above guarantee in crude fiber are printed in bold face type.

TABLE II

PERCENTAGE OF SAMPLES ANALYZED IN YEARS 1926-1953 NOT CONFORMING TO GUARANTEES

Year	Per cent below guarantee in Protein		Per cent below guarantee in Fat		Per cent high in Crude Fiber
	LESS THAN 0.5 PER CENT	0.5 PER CENT OR MORE	LESS THAN 0.25 PER CENT	0.25 PER CENT OR MORE	
1926	8.0	16.0	4.0	10.0	6.0
1927	8.3	16.4	5.8	13.6	5.9
1928	9.1	20.7	4.3	9.3	7.9
1929	9.5	20.2	2.8	9.3	6.5
1930	4.8	13.1	4.0	8.0	3.9
1931	1.8	7.2	5.9	9.7	5.3
1932	1.8	1.4	5.0	8.1	2.8
1933	1.3	3.6	7.5	9.8	3.6
1934	3.0	3.4	3.9	7.1	9.8
1935	2.4	3.0	4.2	8.5	9.9
1936	2.9	5.2	5.5	8.3	12.2
1937	2.8	4.2	3.0	6.0	11.0
1938	2.9	8.1	9.8	10.8	11.5
1939	1.9	3.3	6.8	9.3	8.7
1940	2.9	4.0	6.2	6.7	7.5
1941	1.1	2.6	4.7	6.7	5.6
1942	2.6	3.5	3.7	4.5	7.4
1943	3.7	2.7	7.7	8.6	7.4
1944	8.2	9.0	10.7	19.7	6.9
1945	2.1	6.1	2.9	7.5	7.1
1946	8.6	17.5	2.3	8.9	14.6
1947	4.1	10.2	1.7	4.0	24.7
1948	3.6	3.8	2.3	3.5	13.6
1949	3.5	5.8	2.7	2.8	7.2
1950	4.9	7.3	4.9	5.1	3.2
1951	4.4	7.5	2.7	4.9	4.0
1952	4.3	8.4	3.0	5.8	4.3
1953	4.3	12.7	3.4	6.8	4.4

REQUEST BY INDIVIDUALS FOR THE ANALYSIS OF FEEDINGSTUFFS

The feedingstuff law requires the Agricultural Experiment Station to analyze only samples of registered feedingstuffs drawn under the direction of the Feed Control Supervisor. It does, each year, however, analyze a considerable number of samples drawn by individuals representing stock purchased by them for their own use. Frequently, the reason for requesting an analysis is that the feed is suspected of causing sickness or death of livestock or poultry. While in very rare instances the feed may have caused the trouble, disease is usually found to be the cause. Often feeders, suspecting the feed, lose valuable time in the treatment of the disease by sending a sample of the feed for analysis and waiting for the report. Losses could have been reduced had a veterinarian or poultry specialist been consulted immediately and proper treatment given promptly. The most conclusive method of determining whether or not the feed is the cause of the trouble is a biological test. Such a test can be conducted on the premises of the feeder. If the feed is suspected, confine in sanitary pens two lots of healthy chicks. Give to one lot the suspected feed and to the other lot a feed known to be good. Should the chicks receiving the suspected feed become ill and the others remain healthy, there is evidence that the feed is the cause. Under such circumstances, notify the Feed Control Supervisor and an official sample will be drawn. The official sample will be analyzed to determine if the manufacturer is responsible.

The most common reason the purchaser has for asking to have the sample analyzed is to satisfy himself whether or not the feed meets its guarantee, and if it does not, to obtain evidence upon which to base a claim for shortage. The Station can assume no responsibility for the drawing of an unofficial sample but can attest only the accuracy of the analysis of the sample as submitted. It is practically impossible to secure a representative sample of a feedingstuff composed of several ingredients varying widely in composition without the aid of a sampling tube for drawing the sample and proper equipment for mixing it. A feed may contain as one of its ingredients gluten meal averaging 40 per cent protein, and as another ingredient oat mill feed averaging 5 per cent protein. These materials are so different in physical condition that the shaking in transit tends to separate them even though they may have been perfectly mixed by the manufacturer before bagging. It is apparent that an accurate sample of a shipment of a feed can only be had by drawing a core from several bags. Since a representative sample is as essential as an accurate analysis in judging the value of a shipment of feed, it is evident that a satisfactory adjustment can seldom be effected on the basis of an unofficial sample.

Notwithstanding the objections which may be raised to the analysis of samples taken without proper sampling equipment, the Station is disposed to continue this work as long as there is evidence that it constitutes a useful service. The samples so submitted should be drawn from at least ten bags in a manner which will insure that the small lot sent for analysis is as accurately representative as possible of the large lot from which it is taken. Because of the cost of laboratory work and materials, an analysis is not usually warranted on a sample drawn from less than a one-ton lot of feed.

A one-pound sample is sufficient for the analysis. It should be sent in a glass jar or tin box to prevent loss of fine particles and a change in the moisture content. In order that the department may have a record of the sample analyzed, and may know whether or not the manufacturer and the dealer are complying with the requirements of the law, the following information should be submitted concerning each sample.

Brand

Manufacturer

Address

Guarantee:

Protein

Fat

Crude Fiber

Ingredients

Dealer

Address

Number of bags in lot

Number of bags sampled

Your name

Your address

Your reason for requesting analysis

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Ackerman-Beardsley-Bennett, Inc. Albany, New York							
Corn Distillers Dried Grains	Bow	25.00	28.06	5.00	10.37	15.00	7.10
Adams Packing Association, Inc. Auburndale, Florida							
Adams Dried Citrus Pulp	Salem Depot	6.00	6.01	3.00	3.98	20.00	12.16
Albers Milling Company Kansas City, Missouri							
Calf Manna (Pellets)	Epping	25.00	27.36	4.00	**3.65**	5.50	4.46
E. T. Allen Company Atlanta, Georgia							
41% Protein Solvent Extracted Cottonseed Meal	Bow	41.00	41.55	1.00	1.19	13.00	12.78
Allied Mills, Inc. Chicago, Illinois							
June Pasture	W. Lebanon	10.00	13.92	0.50	0.95	26.00	17.94
Pure Corn and Oats Chop	W. Lebanon	9.00	9.02	3.50	4.79	10.00	3.89
Sugarine 16% Dairy Feed	W. Lebanon	16.00	16.55	3.00	3.49	12.00	11.75
Wayne Breeder Mash "E"	Manchester	20.00	20.14	3.00	3.74	6.00	5.47
Wayne Breeder Mash "E"	Keene	20.00	21.37	3.00	3.24	6.00	5.55
Wayne Calf Starter	Keene	16.00	17.25	3.00	3.82	10.00	7.17
Wayne 32% Dairy Feed	W. Lebanon	32.00	32.27	3.00	3.04	8.00	6.20
Wayne 16% Dairy Ration	Keene	16.00	19.49	4.00	4.03	9.00	6.94
Wayne 20% Dairy Ration	Keene	20.00	22.03	4.00	**3.54**	9.00	7.62
Wayne Dehydrated Alfalfa Meal 17%	Epping	17.00	19.17	1.75	2.52	27.00	**28.27**
Wayne 26% Egg & Breeder Supplement	Manchester	26.00	26.84	2.50	3.67	10.00	6.95
Wayne Egg Mash	Manchester	20.00	20.13	3.00	3.71	8.00	7.14
Wayne Fattening Pellets	Keene	18.00	18.17	3.00	4.42	8.00	5.11
Wayne Fitting Ration	Manchester	13.00	14.55	3.00	4.56	8.50	6.92
Wayne Growing Mash	Keene	18.00	19.83	2.50	3.84	8.00	6.59
Wayne Horse Feed	W. Lebanon	9.00	10.28	2.50	3.25	12.00	8.14
Wayne Mash Layer	Keene	20.00	19.70	3.00	3.96	8.00	7.12
Wayne 16% Milk Producer	W. Lebanon	16.00	17.03	3.00	3.95	10.00	10.19
Wayne 18% Milk Producer	Manchester	18.00	19.84	3.00	4.11	12.00	9.21
Wayne Mink Meal	Manchester	22.00	25.13	4.00	4.88	7.50	6.51
Wayne Pigeon Feed	Keene	12.00	13.45	2.00	2.26	5.00	2.65
Wayne Pork Maker	W. Lebanon	14.00	16.42	3.00	4.64	8.00	5.50
Wayne Poultry Fitting Ration	Keene	11.00	11.69	2.50	3.29	9.00	7.60
Wayne Rabbit Ration	W. Lebanon	17.00	**15.91**	3.00	3.67	15.00	11.68
Wayne Rocket Broiler Feed	Manchester	20.00	22.86	3.50	**2.70**	5.00	3.10
Wayne Rocket Broiler Feed	W. Lebanon	20.00	21.02	3.50	3.43	5.00	3.46
Wayne 0.10% Sulfaquinoxaline Mixture in Wayne Rocket Broiler Feed	Manchester	20.00	23.77	3.50	**3.17**	5.00	3.30
Wayne Sulfaquinoxaline 0.0175% in Wayne Turkey & Game Bird Starter	Manchester	28.00	29.64	3.00	3.11	5.50	4.61
Wayne Sulfaquinoxaline .0125% in Wayne Universal Grower	Keene	15.00	16.47	2.50	4.50	5.00	5.65
Wayne Tail Curler	W. Lebanon	18.00	20.49	3.00	2.80	5.00	3.66

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Allied Mills, Inc., (continued)							
Wayne Test Cow Ration	W. Lebanon	16.00	16.86	4.00	4.02	9.00	7.42
Wayne Turkey and Game Bird Growing Mash (Pelleted)	Manchester	20.00	20.19	2.50	3.94	8.00	6.96
Wayne Turkey and Game Bird Growing Mash	Keene	20.00	20.40	2.50	4.35	8.00	7.44
Wayne Universal Breeder	Manchester	17.00	18.13	2.50	3.70	5.00	4.70
Wayne Universal Breeder	W. Lebanon	17.00	19.53	2.50	3.71	5.00	4.74
Wayne Universal Grower	Manchester	15.00	15.68	2.50	3.69	5.00	4.11
American Crystal Sugar Co. Moorhead, Minnesota							
Plain Dried Beet Pulp	N.Haverhill	7.50	9.50	0.30	0.78	22.50	20.20
Archer-Daniels-Midland Co. Minneapolis 2, Minnesota							
ADM 44% Concentrate (Pea Size)	Bow	44.00	44.57	0.50	1.50	7.00	5.77
Ashcraft-Wilkinson Company Atlanta, Georgia							
Cow-Eta Brand 36% Protein Cottonseed Meal Prime Quality	Bow	36.00	36.39	4.50	5.07	16.00	14.74
Cow-Eta Brand 41% Protein Cottonseed Meal Prime Quality	N.Haverhill	41.00	**40.02**	4.00	8.21	13.00	12.03
Atlas Canning Co., Inc. Glendale L. I., N. Y.							
Laddieboy Dog and Cat Food	Keene	9.00	**8.18**	2.00	**1.51**	1.50	1.30
E. R. Bacon Grain Company Chicago, Illinois							
Bacons Gluten Feed	Manchester	23.00	25.79	2.00	5.58	10.00	7.10
E. W. Bailey & Co., Inc. Montpelier, Vermont							
Bailey's Pennant Brand Ace Hi Breeder	N.Haverhill	16.00	17.77	3.50	4.22	4.50	4.49
Bailey's Pennant Brand Calf Ration	N.Haverhill	15.00	18.56	3.00	3.12	7.00	6.13
Bailey's Pennant Brand Complete Egg Ration	N.Haverhill	16.00	17.12	3.50	4.85	7.00	6.52
Bailey's Pennant Brand Complete Egg Ration	Colebrook	16.00	17.20	3.50	3.62	7.00	4 66
Bailey's Pennant Brand Complete Grower	Colebrook	15.00	16.68	3.50	4.72	7.00	6.03
Bailey's Pennant Brand Dairy Feed Extender	N.Haverhill	25.00	26.92	3.25	3.48	8.00	6.62
Bailey's Pennant Brand 16% Dairy Ration (Fine)	N.Haverhill	16.00	17.25	3.50	3.87	10.00	8.68
Bailey's Pennant Brand 18% Dairy Ration	N.Haverhill	18.00	18.69	3.75	4.31	9.00	8.53
Bailey's Pennant Brand 20% Dairy Ration (Fine)	Lebanon	20.00	22.07	3.50	**3.08**	9.00	8.08
Bailey's Pennant Brand 20% Dairy Ration (Fine)	N.Haverhill	20.00	**19.12**	3.25	3.92	9.00	7.74
Bailey's Pennant Brand 20% Dairy Ration (Coarse)	N.Haverhill	20.00	19.73	3.25	3.02	9.00	7.68

* Protein and fat not less than, crude fiber not more than.

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
E. W. Bailey & Co., Inc., (continued)							
Bailey's Pennant Brand Fitting Ration (Coarse)	Colebrook	14.00	14.50	3.50	4.19	11.00	8.56
Bailey's Pennant Brand (Fine) Fitting Ration	N.Haverhill	14.00	14.97	3.50	3.74	11.00	8.52
Bailey's Pennant Brand Horse Feed	N.Haverhill	10.00	12.17	3.00	3.34	9.00	6.14
Bailey's Pennant Brand Laying Mash	N.Haverhill	20.00	23.16	3.50	4.20	7.00	7.33
Bailey's Pennant Brand Mo-Bulk	Colebrook	10.50	**9.81**	2.00	**1.72**	17.00	16.94
Bailey's Pennant Brand Pasture Ration	N.Haverhill	14.00	17.42	3.75	3.79	14.00	9.58
Bailey's Pennant Brand Pig Feed	N.Haverhill	17.00	19.30	3.50	4.24	7.50	6.02
Bailey's Pennant Brand Pig Grower	N.Haverhill	15.00	18.91	3.50	4.89	6.50	6.14
Bailey's Pennant Brand Provender	Colebrook	10.00	10.72	3.50	3.79	8.00	4.42
Bailey's Pennant Brand Special 16% Dairy Ration	N.Haverhill	16.00	18.43	3.25	3.68	10.00	8.76
Bailey's Pennant Brand Stock Feed	N.Haverhill	9.50	12.12	3.00	3.75	15.00	10.43
Bailey's Pennant Brand Sulfaquinoxaline .0125% in Ace-Hi Broiler Ration	N.Haverhill	21.00	22.51	3.50	3.25	4.00	3.84
Bailey's Pennant Brand Sulfaquinoxaline Mixture in Chick Starter	Colebrook	20.00	20.40	3.50	4.25	5.50	4.48
Bailey's Pennant Brand 32% Supplement	N.Haverhill	32.00	33.27	3.50	**2.09**	10.00	5.57
Balfour Guthrie Ltd. 69 Yonge St., Toronto, Canada							
B.G. Brand Pure Wheat Bran	Lancaster	15.00	15.01	3.50	4.06	11.50	9.09
B.G. Brand Pure Wheat Shorts	Lancaster	15.00	15.50	3.50	4.90	10.50	6.30
Beacon Milling Co. Cayuga, New York							
Beacon "15" with Pellets	Goffstown	15.00	15.28	4.00	4.85	9.00	7.02
Beacon Breeders Mash	Concord	22.00	22.55	3.50	4.01	6.50	5.46
Beacon Broiler Feed	Nashua	23.00	23.25	3.50	4.14	4.75	4.10
Beacon C-C Pellets	Nashua	15.00	16.02	4.50	11.73	5.00	4.70
Beacon Complete Starter	Nashua	23.00	23.03	3.50	4.64	4.50	4.08
Beacon Dairy Fitting	Goffstown	14.00	14.41	3.25	3.92	9.00	7.28
Beacon Dog Meal	Nashua	26.00	25.63	4.00	5.53	5.00	3.87
Beacon "22" Egg Mash	Goffstown	22.00	22.86	3.50	4.16	6.50	5.12
Beacon Fleshing Pellets	Goffstown	20.00	20.36	3.00	3.71	6.00	4.78
Beacon "18" Growing Mash	Goffstown	18.00	18.52	3.50	4.22	6.25	4.80
Beacon Nitrophenide Mixed with Beacon Broiler Feed	Goffstown	23.00	24.12	3.50	4.70	4.75	3.76
Beacon Nitrosal Mixed with Beacon Broiler Feed	Goffstown	23.00	23.16	3.50	4.90	4.75	3.69
Beacon Nitrophenide Mixed with Beacon Broiler Finisher Pellets	Goffstown	16.00	17.25	3.50	4.56	5.75	3.68
Beacon Poultry Fitting	Nashua	11.00	11.99	3.00	3.50	7.50	4.74
Beacon "18" Test Cow Ration	Nashua	18.00	19.09	3.75	4.39	9.00	7.55
Sulfaquinoxaline 0.0175% Mixed with Beacon Broiler Feed	Goffstown	23.00	23.51	3.50	3.87	4.75	3.74
Sulfaquinoxaline 0.0175% Mixed with Beacon Complete Starter	Goffstown	23.00	23.86	3.50	4.26	4.50	3.72
Turkey & Game Bird Fitting	Nashua	10.00	10.64	3.00	3.18	9.00	5.02

* Protein and fat not less than, crude fiber not more than.

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Bills Animal and Kennel Supply Danvers, Massachusetts							
My Pet Brand Dog Food	Manchester	14.00	**8.42**	5.00	15.70	0.20	0.81
The Borden Company New York, New York							
Flaydry Poultry Feed Supplement	Manchester	35.00	36.64	0.25	1.48	6.00	5.15
Brown-Forman Distillers Corp. Louisville, Kentucky							
BF Corn Distillers Light Grains	Bow	23.00	24.39	7.00	6.76	15.00	14.09
Calo Dog Food Company, Inc. Oakland, California							
Calo Cat Food	Mt. Vernon	10.00	10.41	2.00	4.08	1.00	0.57
Calo 100% Horsemeat Dog Food	Concord	15.00	20.52	3.00	12.28	1.00	0.13
Cargill, Inc. Minneapolis, Minnesota							
Cargill 42% Mira-Maize Solvent Extracted Soybean Oil Meal with Corn	Manchester	42.00	45.33	0.50	0.55	7.00	5.34
Cargill 44% Mira-Soy Solvent Extracted Soybean Oil Meal with Shorts	Bow	44.00	46.01	0.50	0.60	7.00	5.57
Central Soya Company, Inc. Fort Wayne, Indiana							
Central Star Brand 44% Solvent Extracted Soybean Oil Meal	Epping	44.00	46.40	0.50	1.11	7.00	5.39
Central Star Brand Soybean Oil Meal 44% Solvent Extracted	Bow	44.00	46.01	0.50	0.56	7.00	5.65
S. J. Cherry & Sons, Ltd. Preston, Canada							
Bran	Manchester	14.00	17.87	3.50	4.79	11.50	8.89
Middlings	Keene	15.00	**14.36**	2.50	**2.12**	4.50	1.16
Clinton Foods, Inc. Clinton, Iowa							
Clinton Corn Gluten Feed	Colebrook	23.00	**21.91**	2.00	2.62	8.50	9.12
Clinton Foods, Inc. Dunedin, Florida							
Sunfilled Dried Citrus Meal	Bow	6.00	6.01	2.50	2.69	20.00	10.54
Campbell & McNab Douglas, Ontario							
Wheat Shorts	Epping	15.00	17.42	4.50	4.58	8.00	5.78
Canada & Dominion Sugar Co. Chatham, Canada							
Dried Beet Pulp	Bow	7.00	7.93	0.30	0.35	22.50	19.87
The Canada Linseed Oil Mills Ltd. Montreal, Canada							
Maple Leaf 34% Protein Pure Linseed Oil Cake Meal	Bow	34.00	35.34	3.50	4.46	9.00	8.28

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
The Canada Starch Co. Cardinal, Ontario, Canada							
Edwardsburg Corn Gluten Meal	Bow	41.00	45.97	1.00	6.37	6.00	4.18
The A. B. Caple Co. Toledo, Ohio							
Alfalfa Meal (Medium Ground)	Keene	13.00	13.31	1.00	1.09	33.00	30.33
Coatsworth & Cooper Ltd. 67 Yonge St., Toronto, Canada							
C and C Wheat Bran	Bow	15.00	17.69	3.50	4.47	11.50	9.04
Commercial Solvents Corp. Peoria, Illinois							
B-Y-500 Dried Corn Fermentation Solubles	Manchester	32.00	31.76	4.00	6.45	9.00	8.53
Consolidated Foods, Inc. Nashua, New Hampshire							
Friendly Dog & Cat Food	Walpole	8.00	8.55	1.50	2.35	2.00	1.14
Consolidated Rendering Co. Boston, Massachusetts							
Corenco 46% Meat & Bone Scrap	Manchester	46.00	46.10	6.00	6.81		
Corenco 46% Meat & Bone Scrap	Bow	46.00	**44.45**	6.00	8.64		
Corenco 46% Meat & Bone Scrap	Manchester	46.00	46.29	6.00	9.11		
Corenco 46% Meat & Bone Scrap	Potter Place	46.00	49.04	6.00	7.08		
Corenco 46% Meat & Bone Scrap	Keene	46.00	48.38	6.00	7.79		
Corenco 46% Meat & Bone Scrap	Manchester	46.00	**44.24**	6.00	9.81		
Corenco 47% Meat & Bone Scrap	Bow	47.00	**45.18**	6.00	10.14		
Corenco 47% Meat & Bone Scrap	Lancaster	47.00	**46.17**	6.00	8.54		
Corenco 45% Meat & Bone Scrap	Epping	45.00	45.01	6.00	7.56		
Copeland Flour Mills Midland, Canada							
Dandy Wheat Bran	Keene	15.00	16.38	3.50	4.48	11.50	10.90
Dandy Wheat Shorts	Winchester	16.00	17.82	5.00	**4.23**	8.00	4.71
Corn Products Refining Co. New York, New York							
Diamond Corn Gluten Meal	Manchester	41.00	**39.32**	1.00	2.30	6.00	6.33
Chas. M. Cox Company Boston, Massachusetts							
Provender	Winchester	9.00	10.03	3.00	3.20	8.00	5.55
0.1% Sulfaquinoxaline in Poultry Mash Base	Portsmouth	20.00	21.10	3.00	2.89	4.00	3.05
.0125% Sulfaquinoxaline in Wirthmore Complete Chick Starter	Portsmouth	20.00	20.18	2.50	3.50	6.00	4.35
.0125% Sulfaquinoxaline in Wirthmore Complete Growing Ration	Charlestown	14.50	15.67	3.00	3.37	6.00	4.79
.0175% Sulfaquinoxaline in Wirthmore Improved Hi-Ener-G Starter and Broiler Ration	Lisbon	20.00	20.05	3.00	3.01	4.00	3.38
.0175% Sulfaquinoxaline in Wirthmore Turkey Starter Ration	Portsmouth	26.00	27.01	3.00	4.01	6.00	4.75

* Protein and fat not less than, crude fiber not more than.

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Chas. M. Cox Company (continued)							
.0175% Sulfaquinoxaline in Wirthmore Turkey Starter Ration	Nashua	26.00	27.02	3.00	6.72	6.00	4.48
Wirthmore Breeder Mash	Portsmouth	20.00	22.51	3.00	3.44	7.00	5.46
Wirthmore Challenger Coarse 14 Dairy Ration	Winchester	14.00	14.49	3.00	3.32	12.00	11.70
Wirthmore Challenger Coarse 16	Lisbon	16.00	**14.12**	3.00	3.66	12.00	8.92
Wirthmore Complete Breeder Ration	Nashua	15.00	16.33	3.00	3.50	6.00	4.65
Wirthmore Complete Chick Starter	Portsmouth	20.00	20.49	2.50	3.55	6.00	4.49
Wirthmore Complete Egg Ration	Winchester	15.00	15.76	3.00	3.52	6.00	5.02
Wirthmore Complete Growing Ration	Portsmouth	14.50	15.46	3.00	3.75	6.00	4.67
Wirthmore 16 Dairy Ration	Winchester	16.00	16.99	3.50	3.42	9.00	6.77
Wirthmore 20 Dairy Ration	Winchester	20.00	**18.91**	3.50	3.88	8.00	7.32
Wirthmore Dog Food meal	Nashua	25.00	26.53	7.00	7.83	5.00	4.07
Wirthmore Fattening (Pellets)	Portsmouth	17.50	19.62	3.00	3.07	4.50	3.42
Wirthmore 14 Fitting Ration	Winchester	14.00	14.28	3.50	4.11	9.00	6.18
Wirthmore Fodder Greens	Lisbon	9.00	9.02	2.00	2.17	18.00	14.68
Wirthmore Growing Mash	Nashua	18.00	19.16	3.00	3.42	7.00	5.26
Wirthmore Hog Grower	Winchester	15.00	15.81	4.00	3.32	6.00	5.39
Wirthmore Hog Grower	Littleton	15.00	**14.41**	4.00	4.31	6.00	5.38
Wirthmore Horse Feed	Winchester	10.00	10.42	3.25	3.91	9.00	7.86
Wirthmore Improved Hi-Ener-G Starter and Broiler Ration	Winchester	20.00	21.72	3.00	2.91	4.00	3.20
Wirthmore Laying Mash	Portsmouth	20.00	20.97	3.00	3.58	7.00	5.53
Wirthmore Mink Food	Nashua	23.00	24.12	4.00	5.47	6.00	5.39
Wirthmore Pig & Sow Feed	Portsmouth	17.00	18.13	3.50	3.45	6.00	5.41
Wirthmore Poultry Fitting	Charlestown	12.00	12.87	3.00	3.28	10.00	4.90
Wirthmore Quickies	Nashua	20.00	20.09	2.50	3.07	4.00	3.46
Wirthmore 16 Record Ration	Portsmouth	16.00	15.79	3.50	3.66	9.00	6.65
Wirthmore 18 Record Ration	Portsmouth	18.00	**16.99**	3.50	4.02	9.00	6.60
Wirthmore Sheep and Goat Ration	Portsmouth	16.00	16.99	3.50	4.23	9.00	6.76
Wirthmore Stock Feed	Lisbon	10.00	10.55	3.00	3.54	11.00	5.24
Wirthmore Super Pellets	Charlestown	20.00	20.79	3.00	4.01	8.00	5.28
Wirthmore Turkey Fattening Ration	Nashua	16.00	16.90	3.00	3.85	7.00	4.83
Wirthmore Turkey Growing Ration	Lisbon	20.00	22.25	3.00	3.43	7.50	5.75
Wirthmore Twin Mix Calf Ration	Winchester	17.00	17.08	3.00	4.25	8.00	6.38
Dailey Mills, Inc. Olean, New York							
Double Diamond Hi-Cal Starter Broiler (Intermediate)	Derry	20.00	20.44	4.00	**3.43**	3.50	3.73
Double Diamond Intermediate Broiler	Derry	20.00	21.10	3.50	4.12	6.00	4.42
Double Diamond 16% Milk Producer	Derry	16.00	19.22	2.50	3.78	10.00	8.19
Dawes Manufacturing Co. Chicago, Illinois							
Dawes 555 Broiler Base	Greenfield	45.00	45.13	3.00	3.44	6.00	4.55
Dawes Swine Base	Greenfield	35.00	37.26	3.00	3.01	6.00	4.33
Dawes Vitamelk Base (D.V. Base)	Greenfield	34.00	34.64	2.00	**1.61**	7.00	5.06
Dawes Vitamelk Base (Ruminant Type)	Greenfield	34.00	34.10	2.00	**1.66**	7.00	4.92

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Dawnwood Farms Amenia, New York							
Calf Star	Manchester	26.00	28.98	3.00	3.41	5.00	2.62
Deep Run Packing Company Dublin, Pennsylvania							
Big Bet Dog Food	Concord	17.00	**15.17**	3.00	12.29	1.50	0.13
Big Bet 100% Horse Meat Dog Food	Plymouth	17.00	**9.86**	3.00	11.90	0.02	0.09
Delaware Mills, Inc. Deposit, New York							
Delamycin	Farmington	22.00	22.01	2.50	3.83	4.50	3.75
Delaware Breeder Mash	Farmington	22.00	21.89	2.50	3.72	7.00	5.55
Delaware Broiler Mash	Nashua	22.00	21.68	2.50	3.36	4.50	3.52
Delaware Complete Laying Mash	Farmington	15.00	16.33	3.00	3.92	7.00	5.92
Delaware Fattening Mash (Pellets)	Farmington	14.00	**13.29**	3.00	4.45	5.50	5.06
Delaware Fitting Ration	Farmington	14.00	15.19	3.00	3.10	11.00	8.64
Delaware Growing Mash	Farmington	18.00	19.01	2.50	3.40	6.50	5.56
Delaware Horse Feed	Farmington	9.00	12.21	2.00	3.13	11.00	6.05
Delaware Laying Mash	Farmington	21.00	21.62	2.50	3.64	7.00	5.62
Delaware Milk Flushing Mash	Farmington	11.00	12.04	2.00	3.18	5.00	3.75
Delaware Nitrophenide in Delaware Broiler Mash	Farmington	22.00	22.20	2.50	4.06	4.50	3.92
Delaware Pig & Hog Feed	Farmington	16.00	16.59	2.50	4.54	7.00	6.55
Delaware Poultry Fitting Ration	Farmington	12.00	12.65	2.00	3.10	8.00	6.33
Delaware Sweet 16% Dairy Feed	Farmington	16.00	17.03	3.50	4.92	10.00	10.69
Delaware Sweet 20% Dairy Feed	Farmington	20.00	21.19	3.50	3.91	8.00	8.29
Delaware 16% Test Ration	Farmington	16.00	17.04	4.00	5.28	9.00	7.09
Delaware 18% Test Ration	Farmington	18.00	**16.09**	4.00	4.28	9.00	8.22
Delaware Turkey Fitting Ration	Farmington	11.00	12.87	2.00	3.27	8.00	6.37
Delaware Turkey Growing Mash	Farmington	20.00	20.70	2.50	4.02	6.50	5.10
Delquinox in Delaware Starter & Broiler Ration	Laconia	20.00	20.75	2.50	4.55	6.00	5.30
Special Delaware 18% Dairy Feed	Farmington	18.00	18.08	4.00	4.56	12.00	9.32
Dietrich & Gambrill, Inc. Frederick, Maryland							
D&G Fleshing Mash (or Pellets)	Laconia	14.00	16.06	3.50	3.92	6.00	3.19
D&G Growing & Fitting Ration	Greenland	15.00	15.32	2.00	3.58	10.00	7.12
D&G Pig & Hog Meal	Greenland	18.00	20.71	3.00	5.21	8.00	7.18
Gambrill's Growing Mash (Pelleted)	Laconia	18.00	19.77	3.00	4.11	8.00	6.37
Gambrill's Laying Mash (Pelleted)	Laconia	20.00	20.93	3.00	3.94	8.00	5.74
Pen Mar 20% Dairy	Greenland	20.00	19.90	3.00	3.98	10.00	9.11
Dr. Roberts Labs. New York, New York							
Dr. Roberts Cat Food	Concord	14.00	**12.22**	3.00	**1.71**	1.00	0.28
Dr. Roberts Dog Food	Manchester	14.00	**12.18**	3.00	**1.56**	1.00	0.22
Dr. Roberts Dog Food	Concord	14.00	**12.34**	3.00	**0.74**	1.00	0.48
The Dominion Linseed Oil Co. Montreal, Canada							
Blue Blossom Linseed Oil Cake Meal	Greenfield	36.00	**35.07**	5.00	5.87	8.00	7.91
Doughboy Industries, Inc. New Richmond, Wisconsin							
New-Rich Pulverized White Oats	Keene	11.00	11.01	3.00	3.76	13.00	13.90

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Dow Brewery Ltd. Montreal 3, Quebec, Canada							
Dried Brewers' Grains	Keene	22.00	**20.57**	7.00	7.63	15.00	14.99
John C. Dow Company Gloucester, Massachusetts							
Dow's Dog Food Vitamin Crunchy	Laconia	21.00	**20.02**	2.50	2.82	2.00	1.13
Dow's Dog Food Vitamin Crunchy	Keene	21.00	**20.03**	2.50	2.51	2.00	1.25
Dow's New Improved Crumpled (meal)	Laconia	24.00	23.82	4.00	**3.72**	3.50	1.67
New Improved Vitamin Crumpled (meal)	Epping	24.00	25.22	4.00	4.01	3.50	1.92
Eastern States Farmers' Exchange West Springfield, Massachusetts							
Eastern States All-Mash Breeder	Claremont	15.50	15.98	2.50	3.20	4.50	3.26
Eastern States All-Mash Developer	Manchester	15.50	16.99	2.50	3.38	4.50	3.63
Eastern States All-Mash Producer (Pellets)	Manchester	15.50	17.43	2.50	3.98	4.50	3.50
Eastern States Blackhead Prevention Mixture in Turkey Grower	Manchester	20.00	20.27	2.50	3.29	4.50	3.70
Eastern States Breeder Mash (Pellets)	Concord	22.00	22.33	2.50	3.44	4.50	3.52
Eastern States Calf Starter	Claremont	20.00	**19.06**	3.00	4.01	6.00	5.28
Eastern States Calving Ration	Claremont	9.50	17.60	1.50	2.10	15.00	12.06
Eastern States Champion	Woodsville	16.00	16.25	2.50	3.55	7.50	5.57
Eastern States Dog Food	Woodsville	24.00	24.43	5.50	7.65	4.00	3.09
Eastern States Dog Feed (Pellets)	Claremont	24.00	**22.85**	5.50	6.99	4.00	2.91
Eastern States Fitting Ration	Woodsville	14.00	15.02	3.00	4.13	10.00	6.97
Eastern States Fulpail	Woodsville	20.00	20.22	3.50	4.30	9.00	7.50
Eastern States Milkmore	Woodsville	16.00	17.38	3.50	5.02	8.50	7.15
Eastern States Nitrophenide Mixture in E.S. All-Mash Developer	Manchester	15.50	16.55	2.50	3.10	4.50	3.30
Eastern States Nitrophenide Mixture in Pacemaker	Manchester	20.00	20.32	2.50	3.20	4.00	3.31
Eastern States Pig Primer	Woodsville	18.00	17.58	3.00	3.83	7.50	6.22
Eastern States Pig Primer	Woodsville	16.00	17.68	3.00	3.78	7.50	5.90
Eastern States Pork Builder	Woodsville	15.00	15.02	3.00	3.80	5.00	3.95
Eastern States Producer	Claremont	22.00	23.20	2.50	3.26	5.00	3.76
Eastern States Producer	Woodsville	22.00	23.33	2.50	3.08	5.00	3.70
Eastern States Sulfaquinoxaline in Eastern States Minuteman	Concord	20.00	20.22	2.50	3.49	4.00	3.21
Eastern States 32% Supplement	Concord	32.00	33.06	1.50	2.48	7.50	6.26
Eastern States Sweepstakes	Woodsville	16.00	18.38	3.50	3.66	8.00	6.06
Eastern States Turkey Grower	Manchester	20.00	20.58	2.50	3.81	4.50	4.38
Elm City Grain Company Keene, New Hampshire							
Elm Tree All Mash Grower	Keene	15.00	17.60	3.50	3.90	8.00	6.37
Elm Tree All Mash Laying	Keene	16.00	17.60	3.50	4.06	8.00	6.82
Elm Tree Calf Meal	Keene	22.00	21.77	4.00	**3.08**	7.00	6.64
Elm Tree Dairy Feed	Keene	18.00	18.48	3.50	3.97	11.00	7.38
Elm Tree 16% Dairy Feed	Keene	16.00	16.55	3.50	3.83	11.00	8.34
Elm Tree 20% Dairy Feed	Keene	20.00	22.07	3.50	4.51	11.00	7.25
Elm Tree 14% Dry & Fitting Ration	Keene	14.00	14.01	3.50	4.10	11.00	7.68
Elm Tree 14% Fitting Ration	Keene	14.00	14.05	3.50	3.80	11.00	7.48
Elm Tree Growing Mash	Keene	18.00	19.36	3.50	3.92	8.00	5.34
Elm Tree Hi-Lo Starter & Broiler	Keene	20.00	22.07	3.50	3.61	4.50	4.22

* Protein and fat not less than, crude fiber not more than.

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Elm City Grain Company (continued)							
Elm Tree Laying Mash	Keene	19.00	21.10	3.50	3.98	9.00	6.62
Elm Tree Pig & Hog Feed	Keene	14.00	14.32	4.00	**3.59**	10.00	6.24
Elm Tree Pig & Hog Feed	Keene	14.00	14.93	4.00	4.01	10.00	6.02
Elm Tree Poultry Fitting	Keene	10.00	10.59	3.00	3.40	9.00	5.88
Elm Tree Provender	Keene	10.00	10.59	3.50	4.26	8.00	5.63
Elmore Milling Company Oneonta, New York							
Elmore Complete Growing Ration	E. Jaffrey	14.00	14.01	3.00	3.58	8.00	5.43
Elmore Complete Layer and Breeder	E. Jaffrey	15.00	16.86	3.00	3.84	8.00	5.08
Elmore Complete Market Egg Mash (Pelleted)	E. Jaffrey	15.00	18.60	3.00	3.95	6.00	4.93
Elmore Dry and Freshening Ration	E. Jaffrey	12.00	16.42	3.25	**2.96**	9.00	7.54
Elmore Enheptin Amino-Nitrothiazole Mixture in Elmore Turkey Growing Mash	Nashua	20.00	**18.52**	2.50	3.87	8.00	6.26
Elmore Flaked Pelleted Calf Starter	E. Jaffrey	18.00	**16.79**	2.50	3.90	8.00	7.17
Elmore Milk Grains Sixteen	E. Jaffrey	16.00	19.39	3.50	**3.20**	9.00	8.25
Elmore Pacemaker 16% Dairy Ration	E. Jaffrey	16.00	17.34	3.00	3.71	10.00	10.90
Elmore Turkey Finisher (Fattener)	Greenland	16.00	15.51	3.00	3.75	8.00	4.45
Elmore Turkey Growing Mash Pellets	E. Jaffrey	20.00	**17.43**	2.50	3.55	8.00	6.60
Erie Alfalfa Mills Erie, Michigan							
Erie Brand Dehydrated Alfalfa Meal (Leafy)	Keene	17.00	17.86	1.50	2.13	27.00	24.12
John W. Eshelman & Sons Lancaster, Pennsylvania							
Eshelman Red Rose Calf Grower	Keene	14.00	15.72	3.00	3.69	8.00	7.38
Eshelman Red Rose Calf Meal	Keene	22.00	**16.03**	3.00	3.46	5.00	**6.64**
Eshelman Red Rose Calf Starter	Keene	18.00	17.55	3.00	3.24	8.00	7.20
Eshelman Red Rose 16% Dairy Feed	Keene	16.00	16.55	3.50	4.07	9.50	8.26
Eshelman Red Rose Fitting Ration	Keene	12.00	12.38	3.50	3.51	7.00	5.84
Eshelman Red Rose Goat Ration	Keene	16.00	17.55	3.00	3.28	10.00	6.82
Eshelman Red Rose Laying Mash	Keene	20.00	20.40	3.50	4.25	8.00	5.84
Eshelman Red Rose Rabbit Pellets	Keene	18.00	19.92	3.00	3.60	12.00	8.55
Pennsy 16 Dairy Feed	Keene	16.00	18.87	3.00	3.80	15.00	8.76
Red Rose Dog & Puppy Food	Keene	23.00	25.52	4.75	5.80	4.50	4.27
Red Rose Laying Mash (Pelleted)	Keene	20.00	21.05	3.50	4.25	8.00	5.94
Evans Industries Marion, Indiana							
Better Bite 100% Horse Meat Dog Food	Derry	14.00	14.21	3.00	10.65	1.50	0.38
Farmers Feed Company New York City, New York							
Bull Brand Dried Brewers Grains	Bow	26.00	26.71	6.00	7.74	17.00	13.67

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Farmers Grain & Feed Company Morrisville, Vermont							
Fortress 16% Dairy	Claremont	16.00	18.39	3.00	3.22	9.00	6.67
Fortress 16% Dairy	N.Haverhill	16.00	17.34	3.00	3.63	9.00	7.42
Fortress 18% Dairy	Claremont	18.00	18.69	3.00	3.79	9.00	7.11
Fortress 18% Dairy	N.Haverhill	18.00	19.04	3.00	3.59	9.00	7.26
Fortress Fitting Ration	Lancaster	14.00	15.55	3.00	**2.68**	9.00	6.10
Fortress Fitting Ration	N.Haverhill	14.00	15.72	3.00	3.01	9.00	5.85
Feed Products, Inc. Groveland, Florida							
Bestest Brand Nature Sweet Dried Citrus Pulp	Woodsville	6.00	6.09	5.00	**3.94**	12.00	10.06
Flag Pet Food Company New York, New York							
Flag Pussy Cat Food	Keene	10.00	11.59	2.00	**1.53**	1.00	0.94
Florida Citrus Canners Cooperative Lake Wales, Florida							
Lake Wales Brand Citrus Pulp	N.Haverhill	6.00	6.26	3.00	6.53	16.00	13.28
Foodland, Inc. Cleveland, Ohio							
Mrs. Lane's Cat Food	Walpole	17.00	**13.16**	0.50	0.51	0.10	0.04
Mrs. Lane's Dog Food	Walpole	8.00	11.02	1.50	3.56	2.00	0.59
Fowler Brothers Suncook, New Hampshire							
Sun Valley All Mash Breeder	Suncook	15.00	15.07	3.00	4.32	7.50	5.98
Sun Valley Breeder Mash	Suncook	20.00	**19.41**	3.00	4.83	7.50	5.88
Sun Valley Chick Starter	Suncook	20.00	20.18	3.00	4.89	7.00	5.25
Sun Valley Dairy Ration	Suncook	16.00	16.37	3.50	3.91	10.00	7.74
Sun Valley Pig & Hog Feed	Suncook	14.00	16.73	3.50	4.03	10.00	7.27
Fruen Milling Company Minneapolis, Minnesota							
Fruen's Crescent Brand Pulverized White Oats	Manchester	11.00	10.66	4.00	**3.06**	13.00	11.44
General Foods Corporation Woburn, Massachusetts							
Abpaco White Fish Meal	Manchester	58.00	62.12	1.00	8.60	2.00	0.33
General Mills, Inc. Detroit, Michigan							
Dried Beet Pulp	Claremont	7.00	7.62	0.30	0.42	22.50	19.54
Dried Molasses Beet Pulp	Woodsville	7.00	10.02	0.30	0.55	20.00	16.72
Farm Service 20% Breeder Mash	Nashua	20.00	20.22	3.50	3.87	8.00	7.48
Farm Service 20% Broiler Mash	Exeter	20.00	**19.41**	3.50	4.78	6.00	5.20
Farm Service 20% Broiler Mash	Nashua	20.00	20.54	3.50	4.54	6.00	4.70
Farm Service 14% Fitting Ration	Nashua	14.00	15.32	3.00	3.29	9.50	8.23
Farm Service 20% Layer Mash	Exeter	20.00	20.40	3.00	4.43	7.50	6.99
Farm Service Nitrosal Mix in Farm Service 20% Broiler Mash	Exeter	20.00	20.88	3.50	5.02	6.00	6.18
Larro Broiler Feed (Crumbled)	Exeter	20.00	22.50	3.00	2.96	5.50	5.18

* Protein and fat not less than, crude fiber not more than.

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
General Mills, Inc., (continued)							
Larro Broiler Supplement Pellets	Exeter	18.00	18.44	2.50	3.50	6.00	5.56
Larro Chick Builder (Crumbled)	Exeter	20.00	22.81	3.00	3.18	7.50	6.61
Larro Complete Egg Ration	Nashua	16.00	17.51	2.50	3.78	7.50	6.30
Larro Dairy Concentrate	Exeter	32.00	32.75	2.00	2.79	11.00	8.08
Larro 14% Dairy Feed	Laconia	14.00	15.29	2.50	3.02	12.00	8.46
Larro 16% Dairy Feed	Nashua	16.00	17.69	2.50	3.04	12.00	8.67
Larro 20% Dairy Feed	Exeter	20.00	20.97	2.50	2.29	12.00	8.95
Larro 20% Dairy Feed	Nashua	20.00	21.84	2.50	2.33	12.00	8.55
Larro Egg Mash	Laconia	20.00	22.42	2.50	3.37	8.00	6.97
Larro Green Pellets for Rabbits	Exeter	15.00	14.58	2.00	3.61	19.00	15.20
Larro Nitrofurazone with Arsonic Growth Stimulant in Larro Broiler Feed	Exeter	20.00	22.90	3.00	3.70	5.50	4.76
Larro Nitrosal Mix in Larro Broiler Feed	Laconia	20.00	23.47	3.00	3.13	5.50	5.11
Larro Nitrosal Mix in Larro Broiler Supplement Pellets	Laconia	18.00	18.17	2.50	3.23	6.00	5.20
Larro Poultry Breeder Mash	Exeter	20.00	22.07	2.50	3.54	8.00	7.25
Larro Sow & Pig Builder	Nashua	17.00	17.42	3.00	3.25	6.00	4.48
Larro Sulfaquinoxaline Mix in Larro Turkey Builder (Crumbled)	Exeter	24.00	27.24	3.00	2.95	7.50	6.02
Washburn's Gold Medal Hard Wheat Adrian Red Dog	Colebrook	16.00	16.77	3.50	4.80	4.00	3.17
Washburn's Gold Medal Hard Wheat Standard Middlings and Ground Wheat Screenings	Woodsville	15.00	16.90	4.00	5.06	9.50	7.48
The Glidden Company Chicago 39, Illinois							
44% Protein Solvent Extracted Soybean Oil Meal with Ground Corn	Greenfield	42.00	45.31	0.50	0.94	7.00	5.81
50% Protein Solvent Extracted Soybean Oil Meal with Ground Corn	Manchester	50.00	50.09	0.75	0.85	3.00	2.56
D. H. Grandin Milling Company Jamestown, New York							
Grandin's All-Mash Grower	Keene	14.00	15.94	3.00	3.92	6.50	5.48
Grandin's All-Mash Layer	Keene	15.00	15.59	3.00	4.46	6.50	5.42
Grandin's Breeder Mash	Keene	20.00	21.01	3.00	4.81	6.50	5.64
Grandin's 14 Fitting Ration	Keene	14.00	14.10	3.00	3.55	10.00	6.06
Grandin's Growing Mash	Keene	18.00	19.70	3.00	4.53	6.50	5.61
Grandin's Horse Feed	Keene	9.00	9.85	3.00	3.50	11.00	6.55
Grandin's Laying Mash	Keene	20.00	21.32	3.00	4.40	6.50	6.22
Grandin's 16 Milk Maker	Keene	16.00	16.59	3.00	3.64	10.00	7.60
Grandin's Pig & Hog Feed	Keene	18.00	19.31	3.50	4.46	10.00	5.82
Grandin's Start to Finish Mash	Keene	20.00	20.75	3.00	3.90	6.50	5.80
Grandin's 16 Test Ration	Keene	16.00	16.42	3.00	4.05	10.00	6.62
Grandin's 18 Test Ration	Keene	18.00	**16.34**	3.00	3.68	10.00	6.70
Sulfaquinoxaline .0125% in Grandin's Complete Chick Starter	Keene	25.00	**22.45**	3.00	3.60	6.00	5.09
Hales & Hunter Chicago, Illinois							
Gold Flake 16½ Dairy	Lebanon	16.50	20.27	2.00	2.84	15.00	10.73
Pioneer Calf Starter	Lebanon	18.00	18.44	2.50	2.94	8.50	5.60
Pioneer 15 Dairy	Lebanon	15.00	18.20	3.00	2.87	9.00	7.48

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Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Hales & Hunter (continued)							
Pioneer 18 Dairy	Lebanon	18.00	19.88	3.00	**2.71**	9.00	7.61
Pioneer Hog Ration 15	Lebanon	15.00	15.24	2.50	2.97	8.00	5.98
Pioneer Horse Feed	Lebanon	9.00	9.85	2.50	3.38	10.00	6.12
Pioneer Pelleted Flaked 15 Dairy	Lebanon	15.00	16.90	3.00	3.12	9.00	6.29
Pioneer Rabbit Feed	Lebanon	16.00	16.64	2.00	3.50	15.00	8.86
Pioneer Sow & Pig 21	Lebanon	21.00	22.02	2.50	**2.20**	8.50	4.79
Red Comb Breeder Mash	Lebanon	20.00	20.71	3.00	3.72	7.00	4.90
Red Comb Egg Mash	Lebanon	20.00	20.75	3.00	3.43	7.00	6.42
Harper Feed Mills, Inc. Washington, Pennsylvania							
Harco Breeder Mash (Pellets)	Derry	22.00	**21.32**	3.00	3.41	6.50	5.08
Harco Breeder Mash (Pellets)	Derry	22.00	**20.37**	3.00	3.69	6.50	5.82
Harco Breeder Mash with Sulfaquinoxaline	Derry	22.00	23.08	3.00	3.52	6.50	5.01
Harco Finisher Pellets	Derry	15.00	17.64	3.00	4.01	7.50	4.38
Harco Finisher Pellets	Derry	15.00	20.58	3.00	3.74	7.50	5.31
Harco Growing Mash	Derry	18.00	21.14	3.00	3.78	7.00	5.24
Harco Growing Mash	Derry	18.00	21.37	3.00	3.64	7.00	4.15
Harco Poultry Fitting Ration	Derry	9.00	12.87	3.00	3.65	11.00	6.16
Harco Short Feed (Station Fattening Pellets)	Derry	15.00	19.26	3.00	3.52	6.50	4.41
Harco Short Feed (Station Fattening Pellets)	Derry	15.00	18.56	3.00	3.96	6.50	5.18
Harco Special Short Feed (Station Fattening Pellets)	Derry	15.00	19.35	3.00	3.44	6.50	4.73
Harco Special Short Feed (Station Fattening Pellets)	Derry	15.00	20.22	3.00	3.56	6.50	5.14
Nitrophenide .025% in Harco Chick Starting Mash	Derry	20.00	21.76	3.00	4.08	5.50	4.22
Nitrophenide .025% in Harco Hi-Energy Broiler Mash	Derry	20.00	21.89	3.00	3.99	4.50	3.84
Sulfaquinoxaline .0125% in Harco Special Hi-Energy Broiler Mash	Derry	20.00	21.63	3.00	3.76	4.50	3.92
Highland Products Company Minneapolis, Minnesota							
Hi-Nutra Calf Starter	Greenland	24.00	24.56	4.50	4.55	2.00	1.79
Hills Packing Company Topeka, Kansas							
Hills Dog Food	Dover	12.00	12.46	3.00	5.51	1.00	0.48
H. P. Hood & Sons Boston, Massachusetts							
Hoods Calf Starter	Keene	28.00	29.46	3.00	**2.34**	4.00	3.01
Powdered Skim Milk	Bow	32.00	**29.79**	0.50	0.78	.....	.....
E. C. & W. L. Hopkins, Inc. Greenfield, New Hampshire							
Granite State Broiler Mash	Hillsboro	20.00	**18.91**	3.50	4.23	4.50	3.52
Granite State Complete Breeder Mash	Hillsboro	16.00	17.21	3.00	3.93	7.00	4.63
Granite State Complete Growing Mash	Hillsboro	15.00	18.13	3.00	3.75	7.00	5.35

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
E. C. & W. L. Hopkins, Inc., (continued)							
Granite State Complete Mash	Hillsboro	15.00	16.47	3.00	3.42	7.00	4.74
Granite State 16% Dairy Feed	Hillsboro	16.00	17.07	3.50	3.92	9.00	6.65
Granite State 20% Dairy Feed	Hillsboro	20.00	19.85	4.00	**3.69**	10.00	6.82
Granite State Egg Mash (Pellets)	Hillsboro	20.00	21.89	4.00	4.01	7.50	5.78
Granite State Fitting Ration	Hillsboro	14.00	14.40	3.00	3.93	8.00	6.44
Granite State Growing Mash	Hillsboro	19.00	19.74	3.00	3.82	8.00	5.80
Granite State Hog Ration	Keene	17.50	18.51	3.00	4.12	7.00	4.79
Granite State Hog Ration	Hillsboro	17.50	18.04	3.00	4.03	7.00	5.38
Granite State Turkey Growing Mash w/Enheptin	Hillsboro	20.00	21.28	3.00	4.26	7.00	5.33
Inter Continental Grain Co., Ltd. Toronto 1, Canada							
Ranger Brand Pure Wheat Bran	Manchester	15.00	18.26	3.50	4.32	11.00	9.28
International Milling Company Minneapolis, Minnesota							
Blackhawk Wheat Bran	Bow	14.00	15.46	2.50	4.76	12.00	7.80
Blackhawk Wheat Standard Middlings with Ground Wheat Screenings	Manchester	15.00	18.04	3.00	5.21	9.50	8.64
Target Wheat Red Dog	Keene	15.00	18.25	2.00	3.70	4.00	3.38
R. P. Johnson & Son Potter Place, New Hampshire							
Johnson's Chick Starter	Potter Place	16.00	19.26	3.00	4.29	10.00	5.80
Johnson's Complete Laying Mash	Potter Place	15.00	16.15	3.00	4.02	8.00	5.73
Johnson's Dairy Feed	Potter Place	16.00	17.60	3.00	3.05	9.00	7.29
Johnson's Growing Mash	Potter Place	14.00	15.93	3.00	4.10	9.00	5.20
Johnson's Laying Mash	Potter Place	18.00	18.04	4.00	4.18	8.00	5.72
Johnson's Pig & Hog Feed	Potter Place	15.00	17.38	2.00	3.78	7.00	5.05
Kasco Mills, Inc. Waverly, New York							
Kasco All Mash Grower Ration	Nashua	15.00	15.41	3.00	3.98	7.00	4.90
Kasco All Mash Layer Ration	Nashua	15.00	17.25	3.00	4.02	7.50	5.05
Kasco Beatsall Milk Grains 20%	Nashua	20.00	21.36	3.50	4.28	10.00	7.75
Kasco Body Builder	Nashua	15.00	16.42	3.00	3.67	7.00	4.74
Kasco Complete Dog Ration	Auburn	25.00	26.53	7.00	10.17	4.00	3.17
Kasco Fitting Ration	Nashua	14.00	16.29	3.50	3.51	10.00	7.42
Kasco Gro-Calf	Nashua	20.00	22.64	3.00	3.17	7.50	6.46
Kennel Food Supply Fairfield, Connecticut							
Sportsman's Meal	Nashua	20.00	21.84	2.00	2.86	3.00	1.28
Keystone Dehydrators Nazareth, Pennsylvania							
Keystone Hi-Vitamin Super Green Alfalfa Meal	Greenfield	17.00	**16.25**	2.00	2.32	25.00	25.92
Keystone Super Green Alfalfa Meal	Bow	17.00	17.90	2.00	2.80	25.00	23.56
H. C. Knoke and Company Chicago, Illinois							
Barley Feed	Manchester	12.00	14.85	3.00	4.62	16.00	9.09

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Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Kuder Pulp Sales Company Lake Alfred, Florida							
Kuder Dried Citrus Pulp-High Sugar	Manchester	6.00	5.80	5.00	**4.51**	13.00	10.19
Lauhoff Grain Company Danville, Illinois							
Vermillion Hominy Feed	Colebrook	9.00	10.29	5.00	6.63	6.00	4.25
Maine Marine Products, Inc. Portland, Maine							
Maine Concentrate	Manchester	52.00	56.99	10.00	14.72	1.00	0.60
Mapleleaf Milling Company Toronto, Canada							
Rex Wheat Bran w/gws not Exceeding Mill Run	Winchester	15.00	16.20	3.50	4.67	12.00	10.32
Maritime Milling Co., Inc. Buffalo, New York							
B-B Complete Laying Ration	Portsmouth	16.00	18.56	3.00	3.98	8.50	5.08
B-B Complete Rabbit Feed	Portsmouth	17.50	19.00	3.00	3.05	12.00	12.30
Bull Brand "16" Dairy Ration	Portsmouth	16.00	18.48	4.00	4.01	9.00	8.99
Bull Brand "20" Dairy Ration	Portsmouth	20.00	20.79	4.00	**3.41**	9.00	7.44
B-B Egg Mash	Portsmouth	20.00	22.98	3.00	3.34	8.00	5.35
Bull Brand Fitting Ration	Portsmouth	13.00	14.05	3.00	3.25	10.00	8.58
B-B Goat Feed	Portsmouth	13.00	15.16	3.00	3.63	10.00	7.33
B-B Growing Mash	Portsmouth	18.00	20.18	3.00	3.74	8.00	4.82
B-B Horse Feed	Portsmouth	9.00	10.16	3.00	3.60	10.00	4.78
B-B Maco Complete Turkey Growing Ration	Laconia	22.00	22.20	3.50	**3.17**	5.00	3.97
B-B Maco Egg Mash	Portsmouth	21.00	22.59	2.50	3.21	4.00	2.95
B-B Maco Sulfaquinoxaline 0.1% in B-B Maco Broiler Ration	Laconia	22.00	22.38	2.50	2.62	3.50	3.17
B-B Sulfaquinoxaline 0.1% in B-B Maco Broiler Ration	Portsmouth	22.00	23.34	2.50	3.70	3.50	2.95
Dollar Maker Egg Mash	Portsmouth	18.00	18.60	2.50	3.26	8.00	7.69
Nitrofurazone Arsanilic Acid mixture in B-B Maco Broiler Ration	Laconia	22.00	**21.37**	2.50	2.92	3.50	2.34
Massachusetts Canning Company Brighton, Massachusetts							
Macks Cooked Horse Meat Dog Food	Keene	14.00	**11.02**	2.00	10.04	0.70	0.09
Mead Alfalfa Milling Co, Inc. Mead, Nebraska							
17% Dehydrated Alfalfa Meal	Manchester	17.00	17.69	1.75	2.02	27.00	21.44
Merrimack Farmers' Exchange Concord, New Hampshire							
Merrimack All Mash	Bradford	15.00	16.21	3.50	3.54	7.00	6.23
Merrimack All Mash	Derry	15.00	16.07	3.50	4.06	7.00	6.01
Merrimack All Mash (Pellets)	Derry	15.00	15.98	3.50	3.83	7.00	5.56
Merrimack Breeder Mash	Manchester	20.00	20.62	3.50	4.22	7.00	5.82
Merrimack Calf Starter & Growing Ration	Epping	12.00	14.71	3.00	4.40	12.00	6.28
Merrimack Calving Ration	Concord	12.00	14.58	3.00	3.32	15.00	10.20

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Merrimack Farmers' Exchange (continued)							
Merrimack Chick Feed	Derry	9.00	10.81	3.00	2.86	5.00	1.56
Merrimack Complete Grower (Pelleted)	Manchester	15.00	15.72	3.00	3.92	8.00	5.22
Merrimack Complete Layer	Bradford	15.00	16.59	3.00	3.11	7.00	5.65
Merrimack 16% Dairy Ration	Bradford	16.00	16.07	3.50	3.52	9.00	7.56
Merrimack 16% Dairy Ration	Laconia	16.00	17.73	3.50	3.51	9.00	7.44
16 (Fine) Dairy Ration	Bradford	16.00	17.39	3.00	3.42	10.00	8.09
Merrimack 20% Dairy Ration	Bradford	20.00	21.45	3.50	3.73	8.50	8.32
Merrimack 14% Fitting Ration	Bradford	14.00	14.59	3.50	3.51	9.00	7.47
Merrimack 14% Fitting Ration	Manchester	14.00	15.55	3.50	4.14	9.00	7.36
Merrimack 14% Fitting Ration	Laconia	14.00	15.72	3.50	3.72	9.00	7.01
Merrimack 14% Fitting Ration	Concord	14.00	15.32	3.50	4.22	9.00	7.60
Merrimack Fast-Gro Broiler	Manchester	22.00	22.81	3.00	3.86	4.50	3.46
Merrimack Fodder Ration	Epping	10.00	11.95	1.50	2.14	20.00	16.95
Merrimack Fodder Ration	Rochester	10.00	11.77	1.50	2.39	20.00	16.45
Merrimack Growing Mash	Manchester	17.00	18.52	3.50	3.63	8.00	5.97
Merrimack Growing Mash	Manchester	17.00	18.34	3.50	3.64	8.00	5.46
Merrimack Hi-Pro-Vite Pellets	Manchester	25.00	25.79	2.50	3.99	5.50	4.44
Merrimack Horse Feed	Bow	11.00	11.65	3.50	3.51	10.00	6.61
Merrimack Laying Mash	Manchester	19.00	20.53	3.50	3.80	7.00	5.07
Merrimack Pig Feed	Bradford	17.00	17.96	3.00	3.87	7.00	6.05
Merrimack Pig Feed	Manchester	17.00	18.17	3.00	4.23	7.00	5.63
Merrimack Pig Feed	Laconia	17.00	17.86	3.00	3.69	7.00	5.38
Merrimack Pig Feed	Concord	17.00	18.91	3.00	4.52	7.00	6.32
Merrimack Poultry Fitting Ration	Manchester	13.50	13.23	2.50	3.73	8.00	6.84
Merrimack Provender	Rochester	9.00	9.67	3.00	3.52	10.00	5.40
Merrimack Rabbit Pellets	Bradford	20.00	21.36	2.25	3.18	12.00	10.50
Merrimack Scratch Feed	Derry	9.00	11.86	3.00	3.02	5.00	3.58
Merrimack Sheep and Goat Ration	Laconia	14.00	16.15	2.50	3.07	9.00	5.72
Merrimack 18% Special Dairy Ration	Derry	18.00	19.01	3.50	3.53	8.50	7.44
Merrimack 18% Special Dairy Ration	Benton	18.00	19.92	3.50	3.85	8.50	7.60
Merrimack Starter and Broiler Ration	Manchester	22.00	23.60	3.00	3.01	5.50	4.56
Merrimack Stock Feed	Laconia	9.00	13.62	2.50	4.18	12.00	5.34
Merrimack Sulfaquinoxaline in Merrimack Complete Grower	Bradford	15.00	15.82	3.00	4.06	8.00	5.85
Merrimack Sulfaquinoxaline in Merrimack Fast-Gro Broiler	Manchester	22.00	23.41	3.00	3.03	4.50	3.32
Merrimack Sulfaquinoxaline in Merrimack Starter and Broiler Ration	Bradford	22.00	23.69	3.00	3.10	5.50	4.59
Merrimack Sulfaquinoxaline Mixture in Merrimack Starter and Broiler Ration	Derry	22.00	23.07	3.00	3.22	5.50	4.32
Merrimack Super Mash	Claremont	16.00	17.56	2.50	3.88	4.50	2.71
Merrimack Worm Control Mixture	Bow	15.00	16.33	3.00	3.83	8.00	4.73
Sulfaquinoxaline in Merrimack Complete Grower	Bow	15.00	16.55	3.00	3.83	8.00	5.40
Turkey Finishing Pellets	Bow	16.00	16.20	3.00	4.39	4.50	4.22
Miller Alfalfa Company Defiance, Ohio							
Miller's Choice Brand 17% Dehydrated Alfalfa Meal	Manchester	17.00	**16.20**	1.50	2.56	27.00	25.14

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Miner-Hillard Milling Co. Wilkes-Barre, Pennsylvania							
Choice Steam Cooked Hominy Feed	Manchester	10.00	9.72	5.00	5.48	5.00	3.75
Minute Maid Corporation Leesburg, Florida							
Golden Isle Citrus Pulp	Bow	6.00	5.73	3.00	**2.73**	18.00	10.05
Molson's Brewery Ltd. Montreal, Canada							
Dried Brewers Grains	Keene	22.00	**20.52**	7.00	**6.19**	15.00	15.25
Monroe Grain & Alfalfa Company Monroe, Nebraska							
Monroe's 17% Dehydrated Alfalfa Meal	Keene	17.00	17.56	1.50	2.91	27.00	23.12
Monroe's 17% Dehydrated Alfalfa Meal	Keene	17.00	**14.25**	1.50	2.31	27.00	25.04
Monroe's 17% Dehydrated Alfalfa Meal	Keene	17.00	**15.91**	1.50	2.43	27.00	23.42
Geo. Q. Moon Company, Inc. Binghampton, New York							
Moon Bulky Cow Feed	E. Weare	11.00	11.60	2.00	3.18	16.00	14.90
Moon's Complete Growing Mash	Salem Depot	16.00	17.52	3.50	4.11	7.00	6.70
Moon Complete Laying Mash	Salem Depot	16.00	16.07	3.50	4.51	7.00	6.31
Moon Complete Starter & Broiler Mash	Salem Depot	17.50	18.78	3.50	4.25	7.00	6.32
Moon Dairy Fitting Ration	E. Weare	13.00	15.41	4.00	4.44	9.00	7.08
Moon's Dog Food	E. Weare	24.00	**21.71**	4.00	4.71	4.00	3.30
Moon Hog Feed	Salem Depot	13.00	13.05	3.00	3.96	12.00	6.42
Moon's Laying Mash	Salem Depot	20.00	**19.22**	3.50	3.66	7.00	6.01
Moon N.E. 20% Breeder Mash	E. Weare	20.00	20.01	3.00	3.80	9.00	8.35
Moon N.E. Complete Growing Mash (Pellets)	Salem Depot	16.00	19.97	3.00	4.21	9.00	6.83
Moon N.E. Complete Laying Mash	Salem Depot	16.00	17.16	3.00	4.37	9.00	7.94
Moon Rabbit Pellets	Salem Depot	15.00	17.34	2.50	3.52	10.00	10.31
Moon Special A 20% Dairy Ration	E. Weare	20.00	**19.32**	3.50	4.50	10.00	7.95
Moon Sulfaquinoxaline Mixture in Moon Complete Starter & Broiler Mash	Salem Depot	17.50	18.34	3.50	4.64	7.00	6.36
Moon Super Broiler Ration	Salem Depot	20.00	20.97	3.00	3.30	4.50	3.73
Moon 16% Test Ration	Salem Depot	16.00	16.03	4.00	4.11	8.00	7.60
Moon 18% Test Ration	E. Weare	18.00	**17.21**	4.00	4.18	8.00	7.78
Jas. F. Morse & Company Somerville, Massachusetts							
Morse's 50% Meat & Bone Scraps	Greenfield	50.00	**49.39**	8.00	11.03		
Mount Vernon Milling Company Mount Vernon, Indiana							
Poco Hominy Feed	Manchester	10.00	**8.78**	5.50	**4.15**	6.00	2.52
National Alfalfa Dehydrating & Milling Company Lamar, Colorado							
Alfalfa Meal	Colebrook	13.00	14.11	1.00	1.27	33.00	29.88

* Protein and fat not less than, crude fiber not more than.

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Nebraska Alfalfa Farms, Inc. Lexington, Nebraska							
Valley Green 17% Dehydrated Alfalfa Meal	Manchester	17.00	17.38	1.50	2.64	27.00	**28.20**
Northern Farms Feed Service Coop., Inc. St. Johnsbury, Vermont							
Po-Can-O Chick Starter & Grower	Lisbon	20.00	21.98	3.50	3.56	8.00	5.47
Po-Can-O Complete Laying Mash	Lisbon	17.00	17.01	3.50	4.14	7.00	5.58
Po-Can-O Feeds	Lisbon	16.00	15.62	3.50	**3.03**	8.00	6.31
Po-Can-O Fitting Ration	Lisbon	16.00	**13.90**	3.50	3.51	8.00	6.13
Ogden Grain Company Utica, New York							
Biddy Mash	Goffstown	20.00	19.53	2.50	3.24	7.50	6.83
Breeder Mash	Goffstown	20.00	21.63	3.00	3.32	7.00	6.24
Complete Starter Grower Layer Breeder	Goffstown	16.00	16.42	2.50	3.43	7.50	5.54
Growing Mash	Goffstown	18.00	19.48	3.50	3.71	7.50	6.58
Hi-Energy Starter & Broiler	Goffstown	22.00	**20.66**	3.00	3.45	4.00	3.89
Ogden Rabbit Pellets	Goffstown	16.50	16.94	3.00	3.54	13.00	9.21
Poultry & Turkey Fitting Ration	Goffstown	10.00	**9.22**	3.00	3.14	8.00	4.16
Sulfaquinoxaline 0.0125% in Ogden Starter & Broiler	Goffstown	20.00	20.93	3.50	3.68	7.00	5.03
Super Pig Ration	Goffstown	14.00	13.88	3.50	3.68	7.00	5.01
The Ogilvie Flour Mills Fort William, Canada							
Ground Flax Screenings	Keene	17.00	**16.16**	10.00	9.83	15.00	10.18
Orleans Canning Co. Chicago 5, Illinois							
Lolli-Pups	Manchester	30.00	39.62	2.50	2.51	4.00	1.90
Park & Pollard Company Buffalo, New York							
Lay or Bust All Mash Grower	Claremont	14.50	16.03	2.50	3.07	7.00	5.38
Lay or Bust All Mash Layer	Claremont	15.00	16.03	2.50	3.53	7.00	5.60
Lay or Bust All Mash Layer (Pelleted)	Lancaster	15.00	15.01	2.50	3.87	7.00	5.85
Lay or Bust Egg Mash	Claremont	20.00	20.93	2.50	3.34	7.50	5.94
Lay or Bust Egg Mash	Lancaster	20.00	20.84	2.50	3.31	7.50	6.84
Lay or Bust Hi Power Broiler Ration (Pelleted)	Lancaster	20.00	**19.12**	3.00	3.35	4.00	3.58
Lay or Bust Hi-Valu Pellets	Claremont	12.00	13.93	2.50	4.03	6.50	6.33
Lay or Bust Hi-Valu Pellets	Lancaster	12.00	15.24	2.50	4.14	6.50	6.75
Milk Maid Bulky Sweet Dairy	Colebrook	12.00	13.01	2.50	2.91	14.00	12.22
Milk Maid Calf Starter Mix	Claremont	19.00	20.54	3.00	3.06	8.00	5.58
Milk Maid Calf Starter Mix	Colebrook	19.00	21.62	3.00	3.42	8.00	6.86
Milk Maid 16% Dairy Ration	Lancaster	16.00	17.51	3.50	4.08	10.00	7.14
Milk Maid 20% Dairy Ration	Claremont	20.00	20.05	3.50	4.27	10.00	6.93
Milk Maid 20% Dairy Ration	Colebrook	20.00	20.27	3.50	3.75	10.00	6.75
Milk Maid Dri-Fresh Ration	Claremont	12.00	14.10	3.00	3.32	10.00	9.01
Milk Maid Fitting Ration	Lancaster	14.00	16.86	3.00	3.56	9.00	7.12
Milk Maid Test Cow Ration	Lancaster	18.00	19.53	4.00	4.44	9.00	7.70
Milk Maid 14% Test Ration	Colebrook	14.00	16.25	4.00	4.80	9.00	8.13

* Protein and fat not less than, crude fiber not more than.

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Park & Pollard Company (continued)							
Milk Maid Yankee Horse Feed	Lancaster	10.00	12.04	2.50	3.29	10.00	6.09
Munchy Dog Food	Lancaster	26.00	27.45	6.00	6.54	4.50	2.71
Park & Pollard Go-Tu-It Pig and Hog Ration	Claremont	16.00	16.12	3.00	3.80	6.00	5.56
Park & Pollard Stock Feed	Claremont	9.00	10.98	2.00	3.67	12.00	11.99
Park & Pollard Stock Feed	Berlin	9.00	9.37	2.00	3.50	12.00	12.98
Park & Pollard Sulfaquinoxaline Mixture in Lay or Bust Chick Starter	Salem Depot	20.00	20.01	2.50	3.65	6.00	5.42
Park & Pollard Rabbit Pellets	Berlin	14.00	15.50	2.50	3.84	12.00	8.12
Red Ribbon 16% Dairy Ration	Lancaster	16.00	17.74	3.50	3.82	11.00	8.29
Sulfaquinoxaline in Lay or Bust Growing Feed	Lancaster	18.00	19.92	2.50	3.20	7.50	6.23
George H. Parker Company Danvers, Massachusetts							
Bill McHugh's Thoroughbred Horse Feed	Salem Racetrack	14.00	**12.61**	3.50	3.72	10.00	6.44
Parrish & Heimbecker Ltd. Toronto, Canada							
"Parrheim" Pure Wheat Bran	Bradford	15.00	16.12	3.50	4.96	11.50	10.02
Parrheim Pure Wheat Shorts	Derry	15.00	16.99	3.50	4.68	8.00	5.62
Pasco Packing Company Dade City, Florida							
O-Mi-O Citrus Meal	Greenfield	6.00	6.13	2.00	2.01	16.00	13.33
Sugar-Sweet Citrus Pulp	Derry	6.00	5.63	2.50	3.84	13.50	10.03
Patent Cereals Co. Geneva, New York							
Hominy Feed	Bow	9.00	10.12	5.00	6.29	5.00	3.99
Hominy Feed	Derry	9.00	10.02	5.00	6.49	5.00	4.10
Perkins Oil Company Memphis, Tennessee							
Golden Rod Brand 41% Protein Cotton Seed Meal Prime Quality	Lancaster	41.00	40.55	4.00	4.84	13.00	11.80
Phenix Milling Co., Ltd. Galt, Ontario							
Phenix Wheat Bran	Colebrook	15.00	16.55	3.50	4.10	11.50	8.71
Pierce Grain Corporation Buffalo, New York							
16 Reliance Dairy Ration	Colebrook	16.00	17.17	4.00	4.01	9.00	8.28
20 Reliance Dairy Ration	Colebrook	20.00	22.33	4.00	**3.26**	9.00	7.90
Superior Fitting Ration	Colebrook	14.00	16.25	3.50	3.81	11.00	8.73
Pillsbury Mills, Inc. Minneapolis, Minnesota							
Pillsbury's Bestsoy	Bow	43.00	44.35	0.50	1.37	7.00	6.04
Pillsbury's Hard Wheat Bran w/gr. Wheat Screenings	W.Lebanon	14.00	17.25	4.00	4.58	12.00	9.32

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Plymouth Citrus Products Coop. Plymouth, Florida							
Mayflower Plymouth Rock Sweetend Dried Citrus Pulp	Manchester	6.00	6.01	3.00	4.40	16.00	13.01
Portage Valley Milling Company Bradner, Ohio							
Valley Green Alfalfa Meal Blended 17	Manchester	17.00	16.78	1.50	2.04	27.00	26.20
Valley Creek Alfalfa Meal	Manchester	17.00	**15.81**	1.50	1.92	27.00	**28.30**
R. C. Pratt & Co., Ltd. Toronto, Canada							
Ruler Brand Pure Wheat Bran	Bow	15.00	**14.47**	3.50	3.51	11.50	9.32
The George Pritchard Co. Dover, New Hampshire							
Pritchard Complete Grower - Layer Mash	Dover	16.00	17.16	4.00	3.94	7.00	5.76
Pritchard 14% Fitting Ration	Dover	14.00	15.41	3.50	4.20	8.00	6.76
Pritchard Grower-Layer Mash	Dover	20.00	20.31	4.00	4.10	7.00	5.68
Quaker Oats Company Chicago, Illinois							
Peterborough Oat Huller Feed	Manchester	2.50	3.20	1.00	1.10	34.00	32.07
Quebec Sugar Refining Company St. Halaire, Province of Quebec Canada							
Dried Beet Pulp	Keene	7.00	8.32	0.30	0.66	22.50	20.28
Radio Foods Corporation Lawrence, Massachusetts							
Radio Dog and Cat Food	Manchester	8.00	8.90	1.50	2.17	2.00	1.85
Radio Dog Food	Manchester	7.00	8.99	2.00	2.66	1.50	1.47
Ralston Purina Company St. Louis, Missouri							
.005%-3-Nitro-4 Hydroxyphenylarsonic Acid in Purina Broiler Chow Finisher E	Nashua	18.00	18.54	3.00	3.50	4.50	3.98
.005%-3-Nitro-4 Hydroxyphenylarsonic Acid in Purina Broiler Chow Finisher E	Nashua	18.00	18.61	3.00	3.55	4.50	3.90
.005%-3-Nitro-4 Hydroxyphenylarsonic Acid in Purina Chick Startena E	Manchester	20.00	21.36	3.00	3.51	5.00	3.75
.005%-3-Nitro-4 Hydroxyphenylarsonic Acid and .0125% Sulfaquinoxaline in Purina Broiler Chow Starter E	Nashua	22.00	21.65	3.00	3.61	5.00	4.35
34% Protein Linseed Meal	Manchester	34.00	35.82	5.00	**1.37**	8.00	**9.15**
Purina B & M Cow Chow	Manchester	16.00	16.33	3.50	3.35	10.00	6.43
Purina Broiler Chow Finisher E	Manchester	18.00	19.26	3.00	4.38	4.50	3.64
Purina Calf Startena "E"	Nashua	19.50	**17.55**	2.50	2.65	9.50	7.88
Purina Chick Growena E	Nashua	17.00	18.13	3.00	3.62	7.00	5.07

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Ralston Purina Company (continued)							
Purina Commercial Layena	Nashua	18.00	18.52	2.50	3.04	8.00	4.03
Purina Cow Chow 14%	Greenland	14.00	14.93	3.00	3.52	12.00	6.91
Purina Cow Chow 16%	Nashua	16.00	**15.33**	3.00	3.38	12.00	6.96
Purina Cow Chow 18%	Greenland	18.00	**16.81**	3.00	3.19	12.00	7.23
Purina D & F Chow	Greenland	12.50	13.54	2.50	4.11	12.00	8.80
Purina Dog Chow Checkers	Manchester	24.00	**23.32**	5.00	5.97	5.00	4.44
Purina Dog Chow Kibbled Meal	Manchester	24.00	24.08	5.00	7.23	5.00	3.68
Purina Goat Chow	Manchester	16.00	18.69	3.00	3.28	10.00	6.01
Purina Hog Fatena E	Nashua	14.00	15.68	2.50	3.40	7.00	4.18
Purina Layena (Complete Ration E)	Nashua	16.00	16.01	2.50	3.52	5.00	3.62
Purina Milk Chow 18%	Greenland	18.00	18.22	3.50	4.11	12.00	7.96
Purina Mink Chow	Milford	11.00	14.80	2.50	2.85	6.00	3.60
Purina Omolene	Manchester	10.00	10.81	3.00	3.96	11.00	6.47
Purina Poultry Booster Checkers E	Greenland	24.00	24.25	2.50	3.30	8.00	5.86
Purina Rabbit Chow Checkers (Complete Ration E)	Milford	15.00	16.33	2.00	2.74	18.00	13.58
Purina .05% Sulfaquinoxaline in a Poultry Chow Base	Nashua	18.00	22.20	3.00	3.38	7.00	3.89
Purina Turkey Breeder Layena (Complete Ration)	Manchester	16.50	17.95	3.00	4.07	8.00	5.57
Purina Turkey Fatena E	Nashua	15.50	16.03	2.50	3.23	8.00	4.93
Purina Turkey Growena E	Manchester	20.00	20.79	3.00	3.75	7.00	4.96
Purina Turkey Startena E	Nashua	24.00	24.61	2.50	3.53	7.00	5.82
.0175% Sulfaquinoxaline in Purina Turkey Growena E	Nashua	20.00	21.02	3.00	3.06	7.00	5.38
John Reardon & Sons Cambridge, Massachusetts							
Edible Bone Meal	Nashua	5.00	11.52				
Re-Dan Packing Co. Ozone Park, L. I., New York							
Tasty Dog Food	Derry	7.00	9.24	2.00	2.01	1.50	1.25
The Reyher Milling Company McClave, Colorado							
17% Protein Dehydrated Alfalfa Meal	Bow	17.00	**15.83**	1.50	2.29	27.00	23.02
H. F. Rieser's Sons, Inc. West Leesport, Pennsylvania							
All Mash Grower	Concord	16.00	16.24	3.50	3.93	6.50	6.49
Broiler Mash	Concord	20.00	20.93	4.00	**3.66**	5.00	3.65
Rieser's Nitrophenide Mixed with Rieser's Hi-Vite Broiler Mash	Concord	20.00	21.10	4.00	4.01	5.00	3.78
Rival Packing Company Chicago, Illinois							
Rival Dog Food	Mt. Vernon	11.00	11.22	2.00	1.87	1.00	0.68
Robin Hood Flour Mills Mooseja, Saskatchewan, Canada							
Superior Wheat Bran	N.Haverhill	15.00	15.01	3.50	4.76	11.50	11.02

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Russell Miller Company Minneapolis, Minnesota							
Occident Standard Middlings w/ ground Wheat Screenings not Exceeding Mill Run	Nashua	15.00	18.26	4.00	5.44	9.50	7.90
St. Lawrence Flour Mills Co. Montreal, Canada							
Premier Wheat Bran	Bow	15.00	15.42	3.50	4.43	11.50	10.84
Saunders Mills, Inc. Toledo, Ohio							
17 Alfalfa Meal Dehydrated	Nashua	17.00	18.08	1.50	3.50	27.00	18.10
Schoeneck Farms, Inc. Nazareth, Pennsylvania							
Schoeneck's Super Green Dehydrated Alfalfa Meal	Manchester	17.00	**14.58**	2.00	2.01	27.00	**28.96**
Schwab Bros. Mills, Inc. New Bavaria, Ohio							
Bavaria Brand Dehydrated Alfalfa Meal 17%	Manchester	17.00	18.34	1.50	3.02	27.00	21.26
Joseph E. Seagram & Sons, Inc. Louisville, Kentucky							
Seagram's Corn Distillers Dried Grains	Manchester	26.00	25.61	8.00	11.72	11.00	8.52
Allen V. Smith, Inc. Marcellus Falls, New York							
Smith's Barley Feed	Greenfield	13.00	**12.12**	2.00	3.71	14.00	8.50
South End Hay & Grain Manchester, New Hampshire							
18% Dairy Feed	Manchester	18.00	**16.59**	4.00	**3.34**	10.00	6.52
Feedboard Breeder Mash	Manchester	20.00	20.40	3.00	4.18	7.00	6.07
Feedboard Growing Mash	Manchester	18.00	18.96	3.50	4.29	8.00	6.08
Feedboard Super-Starter	Manchester	20.00	21.80	3.50	3.82	4.50	3.17
Nitrophenide Mixture inc. in Superior Broiler	Manchester	20.00	20.35	2.50	3.50	4.00	3.01
F. B. Spaulding Co. Lancaster, New Hampshire							
Miracle Complete Egg Mash	Lancaster	16.00	17.77	3.00	3.64	9.00	7.47
Provender	Lancaster	10.00	11.17	3.50	3.90	9.00	5.48
Spauldings 20% Dairy Ration	Lancaster	20.00	21.06	3.50	**2.94**	9.00	6.81
Spauldings Fitting Ration	Lancaster	12.00	14.98	3.50	**3.21**	9.00	6.59
Spauldings Horse Feed	Lancaster	10.00	10.72	3.25	3.83	9.00	7.74
Spencer Kellogg & Sons, Inc. Minneapolis, Minnesota							
Spencer Kellogg's 32% Protein Old Process Linseed Oil Meal	Manchester	32.00	35.11	3.50	4.11	9.00	8.37
Spratts Patent (American) Ltd. Newark, New Jersey							
Spratts Assorted Dog Biscuit	Manchester	20.00	20.23	2.00	3.18	0.40	**2.02**

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
A. E. Staley Manufacturing Co. Decatur, Illinois							
Staley's 44% Protein Soy-Corn Gluten Mix	Manchester	44.00	44.39	0.50	0.87	7.50	6.50
Staley's Special 50% Protein "Hi-Pro-Con" Gluten Meal Mix	Manchester	50.00	50.74	0.50	0.37	3.00	2.67
Stratton & Co. Penacook, New Hampshire							
Stratton & Co. Wheat Mixed Feed	Salem Depot	13.50	15.11	4.00	4.01	8.00	8.12
Stratton & Co. Wheat Standard Middlings	Salem Depot	14.00	16.50	4.00	4.92	8.00	4.60
Sturdy Dog Food Company Syracuse, New York							
Sturdy Dog Food	Nashua	23.00	23.95	6.00	6.06	5.00	2.68
Suni Citrus Products Co. Haines City, Florida							
Sweet Suni Citrus Pulp	Bow	6.00	6.01	5.00	6.08	15.00	12.60
Sweet Suni Citrus Pulp	Colebrook	6.00	6.01	5.00	**2.98**	15.00	13.28
Timerson Canning Co., Inc. Fairhaven, New York							
Flip Dog & Cat Food	Portsmouth	8.00	8.23	2.50	**2.20**	1.50	1.34
Toronto Elevators Ltd. Toronto, Ont.							
Double Diamond Linseed Oilcake Meal 34%	Manchester	34.00	35.95	4.00	4.26	9.00	8.33
Union Starch & Refining Company Columbus, Indiana							
Union Corn Gluten Feed	Manchester	23.00	23.16	2.00	2.78	8.50	7.52
United Coop. Farmers, Inc. Fitchburg, Massachusetts							
Granite State Breeder (Pellets)	Hillsboro	15.00	21.80	3.00	4.02	7.00	6.13
Unity Grist Mill Manchester, New Hampshire							
Unity 14% Dairy Fitting	Brentwood	14.00	15.50	3.50	3.62	8.00	7.08
14% Dairy Fitting Ration	Brentwood	14.00	15.98	3.50	3.99	8.00	6.80
.015% Nitrothiazole (Megasul) in Unity Super Gro Ration	Nashua	17.00	17.91	3.00	4.54	3.50	3.14
Unity Dairy Fitting Ration (Bulk)	Brentwood	14.00	14.77	3.50	3.37	8.00	7.99
Unity Feeds Breeder Mash Pelleted	Manchester	20.00	20.57	3.00	3.69	6.00	4.90
Unity Feeds Complete Growing Mash	Milford	15.00	16.95	3.00	3.67	7.00	4.88
Unity Feeds Dairy Fitting Ration	Brentwood	14.00	15.85	3.50	3.68	8.00	6.82
Unity Feeds Fattening Station Pellets	Manchester	14.00	**13.27**	3.00	3.70	7.00	6.69
Unity Feeds Growing Mash	Manchester	18.00	19.66	3.00	4.04	7.00	5.03
Unity Feeds Growing Mash Pelleted	Manchester	18.00	18.87	3.00	3.58	7.00	5.22
Unity Feeds Laying Mash Pelleted	Manchester	20.00	20.32	3.00	3.56	7.00	5.56
Unity Feeds Nitrophenide Mixture in Super Gro Ration	Manchester	17.00	17.21	3.00	4.53	3.50	3.21

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Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Unity Grist Mill (continued)							
Unity Feeds Nitrophenide Mixture in Super Gro Ration	Milford	17.00	17.90	3.00	4.30	3.50	2.94
Unity Feeds Nitrophenide Mixture in Unity Advance Ration Pelleted	Manchester	20.00	20.45	4.00	4.13	4.50	4.66
Unity Feeds Super Gro Ration	Manchester	17.00	17.51	3.00	4.23	3.50	3.68
Unity Grist Mill Calf Starter	Brentwood	14.00	14.67	3.50	3.51	8.00	6.82
Unity Grist Mill 4-Way Mash	Manchester	15.00	17.12	3.50	4.35	7.00	5.06
The Van Iderstine Company Long Island City, New York							
Vico Steamed Bone Meal	Winchester	5.00	16.72	0.50	8.77	3.00	1.25
Victory Mills, Ltd. Toronto, Canada							
Special 50% Soybean Oil Meal	Manchester	50.00	51.05	0.50	0.51	3.00	2.68
Warner Dog Food Company Brooklyn, New York							
Kennel Maid Dog Food	Keene	9.00	**8.33**	1.50	1.56	1.00	1.22
Warner's All Horsemeat Dog Food	Keene	15.00	23.69	3.00	11.55	1.00	0.17
H. K. Webster Company Lawrence, Massachusetts							
Blue Seal All Mash Egg Ration	Auburn	15.00	16.68	3.50	3.62	6.50	5.97
Blue Seal All Mash Growing Ration	Auburn	15.00	15.82	3.50	3.98	6.50	5.98
Blue Seal "16" Dairy Ration (Coarse)	Nashua	16.00	19.05	3.50	3.54	9.00	7.62
Blue Seal "18" Dairy Ration	Colebrook	18.00	18.65	3.50	3.55	9.00	7.70
Blue Seal "20" Dairy Ration (Coarse)	Auburn	20.00	20.97	3.50	**3.21**	9.00	7.43
Blue Seal Egg Mash	Auburn	20.00	20.75	3.50	3.85	7.00	6.59
Blue Seal Fitting Ration	Nashua	14.00	14.76	3.50	3.61	9.00	7.67
Blue Seal Growing Mash	Auburn	18.00	19.96	3.50	4.26	7.00	6.72
Blue Seal Horse Feed	Auburn	10.00	11.56	3.00	3.78	9.00	5.72
Blue Seal Nitrophenide in a Chick Starter	Laconia	19.00	19.27	3.50	3.84	6.50	6.01
Blue Seal Pig Feed	Nashua	15.00	15.45	3.00	5.30	6.00	4.56
Blue Seal Poultry & Turkey Fitting	Auburn	12.00	11.64	2.50	3.19	6.00	4.42
Blue Seal Stock Feed	Auburn	8.50	11.69	3.00	4.28	17.00	9.90
Blue Seal Succulent Feed & Calving Ration	Colebrook	12.00	13.83	1.50	2.48	18.00	14.27
Blue Seal Sulfaquinoxaline in All Mash Growing Ration	Nashua	15.00	15.85	3.50	3.93	6.50	5.68
Blue Seal Sulfaquinoxaline in Super Starter and Broiler	Auburn	20.00	21.63	3.00	3.08	4.00	3.64
Blue Seal Super Mash	Auburn	20.00	21.72	4.00	4.49	4.00	3.10
Blue Seal Super Starter and Broiler	Auburn	20.00	21.94	3.00	2.81	4.00	3.70
Blue Seal Test Ration	Colebrook	18.00	18.74	3.50	3.63	9.00	7.33
Blue Seal Turkey Growing	Nashua	20.00	**18.17**	3.50	3.52	7.00	6.20
Western Condensing Company Appleton, Wisconsin							
Peeble's Dried Whole Whey w/Dried Whey Fermentation Solubles (Ribolac)	Greenfield	12.00	**10.72**	0.50	0.63	....	....

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Whitmoyer Laboratories, Inc. Myerstown, Pennsylvania							
Clo-Meal	Keene	40.00	45.66	10.00	20.09	3.75	1.26
Flav-A-Dee	Greenfield	26.00	27.49	14.00	15.89	9.00	6.73
Gro-Tein	Keene	42.00	45.26	6.00	10.71	5.50	1.02
Wirthmore Feed Co., Inc. Concord, New Hampshire							
Hygrade All Purpose Mash	Concord	18.00	18.43	3.00	4.51	7.00	6.52
Hygrade Breeder Mash	Concord	20.00	20.45	3.50	4.10	7.50	5.16
Hygrade Broiler Ration	Concord	20.00	20.36	3.00	3.72	4.50	3.62
Hygrade Complete Grower	Concord	15.00	15.06	3.50	**2.91**	7.00	5.35
Hygrade Complete Layer	Concord	16.00	17.25	3.50	3.82	7.00	6.04
Hygrade 18% Dairy	Concord	18.00	19.57	3.50	3.65	9.00	7.32
Hygrade 14% Fitting Ration	Concord	14.00	15.41	3.00	3.55	9.00	7.92
Hygrade Laying Mash	Concord	20.00	20.45	3.50	4.26	7.50	5.04
Hygrade Sulfaquinoxaline Mixture in Hygrade Chick Starter	Concord	20.00	21.74	3.00	4.47	7.00	5.31
Hygrade Sulfaquinoxaline Mixture in Hygrade Growing Mash	Concord	18.00	18.66	3.00	4.12	7.50	4.82

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